

**CPC****COOPERATIVE PATENT CLASSIFICATION****A63F****CARD, BOARD, OR ROULETTE GAMES; INDOOR GAMES USING SMALL MOVING PLAYING BODIES; MISCELLANEOUS GAMES**

(data-processing equipment characterised by a specific application for game playing [G06F 17/00](#), [G06F 19/00](#); { coin-freed apparatus for games [G07F 17/32](#)})

**A63F 1/00**

**Card games** (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game [A63F 13/00](#); card games played on a gaming machine [G07F 17/32](#))

**A63F 1/02**

- Cards; Special shapes of cards (card-printing methods [B41K](#), [B41M](#))

**A63F 1/04**

- Card games combined with other games

**A63F 1/06**

- Card games appurtenances

**WARNING**

The following classes are not complete because of a pending reorganisation:[A63F 1/062](#): see also [A63F 1/06](#) and [A63F 1/062](#) [A63F 1/065](#): see also [A63F 1/06](#) and [A63F 1/065](#) [A63F 1/067](#): see also [A63F 1/06](#) and [A63F 1/067](#)

**A63F 1/062**

- .. { Boxes or cases for cards}

**A63F 1/065**

- .. { Devices for bidding}

**A63F 1/067**

- .. { Tables or similar supporting structures}

**A63F 1/08**

- .. Card-presses

**A63F 1/10**

- .. Card holders

**A63F 1/12**

- .. Card shufflers

**A63F 1/14**

- .. Card dealers

**A63F 1/16**

- .. Apparatus for indicating the dealer

**A63F 1/18**

- .. Score computers; Miscellaneous indicators (time-testing devices [G07C](#))

**A63F 3/00**

**Board games; Raffle games** (racing games, traffic games, or obstacle games characterised by figures moved by action of the players [A63F 9/14](#))

**WARNING**

Reorganisation pending for the following groups:[A63F 3/00A](#), [A63F 3/00047](#), [A63F 3/00053](#), [A63F 3/00056](#), [A63F 3/00059](#), [A63F 3/00B](#), [A63F 3/00261](#), [A63F 3/0052](#), [A63F 3/00529](#), [A63F 3/00533](#), [A63F 3/04B](#), [A63F 3/04U](#), [A63F 3/06A](#), [A63F 3/061](#), [A63F 3/0615](#), [A63F 3/06B](#), [A63F 3/0635](#), [A63F 3/0655](#). See also this group and its subgroups

**A63F 3/00003**

- { Types of board games (chess [A63F 3/02](#); educational board games [A63F 3/04](#))}

- A63F 3/00006 .. { Board games played along a linear track, e.g. game of goose, snakes and ladders, along an endless track ([A63F 3/00028](#) to [A63F 3/00157](#), [A63F 3/04](#) take precedence)}
- A63F 3/00028 .. { Board games simulating indoor or outdoor sporting games, e.g. bowling, basketball, boxing, croquet, athletics, jeu de boules, darts, snooker, rodeo (racing games played on boards [A63F 3/00082](#); indoor games played with small balls [A63F 7/00](#))}
- A63F 3/00031 ... { Baseball or cricket board games}
- A63F 3/00041 ... { Football, soccer or rugby board games}
- A63F 3/00044 ... { Tennis or squash board games}
- A63F 3/00047 ... { Basketball board games}
- A63F 3/0005 ... { Golf or putting board games}
- A63F 3/00053 ... { Snooker, pool or billiard board games}
- A63F 3/00056 ... { Darts board games}
- A63F 3/00059 ... { Bowling board games}
- A63F 3/00063 .. { Board games concerning economics or finance, e.g. trading}
- A63F 3/00069 ... { Stock-market games}
- A63F 3/00072 ... { played along an endless track, e.g. monopoly ([A63F 3/00069](#) takes precedence)}
- A63F 3/00075 .. { War games}
- A63F 3/00082 .. { Racing games (racing games characterised by figures moved by action of the player [A63F 9/14](#))}
- A63F 3/00085 ... { Sailing races}
- A63F 3/00088 .. { Board games concerning traffic or travelling (trading [A63F 3/00063](#); racing [A63F 3/00082](#); teaching the highway code [A63F 3/0494](#))}
- A63F 3/00091 ... { concerning space ship navigation}
- A63F 3/00094 .. { Ticktacktoe}
- A63F 3/00097 .. { Board games with labyrinths, path finding, line forming (labyrinths in boxes with small balls [A63F 7/04](#); other labyrinth games [A63F 9/0078](#))}
- A63F 3/001 .. { Board games concerning astrology, religion, or fortune-telling (fortune-telling games [A63F 9/181](#))}
- A63F 3/00119 .. { Board games concerning music, theatre, cinema, or art}
- A63F 3/00138 .. { Board games concerning voting, political or legal subjects; Patent games}
- A63F 3/00145 .. { Board games concerning treasure-hunting, fishing, hunting (capturing fishing games [A63F 9/305](#))}
- A63F 3/00148 .. { Board games concerning westerns, detectives, espionage, pirates, murder, disasters, shipwreck rescue operations (rodeo [A63F 3/00028](#); history [A63F 3/0449](#))}
- A63F 3/00151 .. { Backgammon}
- A63F 3/00154 .. { Mastermind}
- A63F 3/00157 .. { Casino or betting games (horse races [A63F 3/00082](#))}
- A63F 3/00173 . { Characteristics of game boards, alone or in relation to supporting structures or playing piece}
- A63F 3/00176 .. { Boards having particular shapes, e.g. hexagonal, triangular, circular, irregular}
- A63F 3/00214 .. { Three-dimensional game boards}

- A63F 3/0023 . . { Foldable, rollable, collapsible or segmented boards ([A63F 3/027](#) takes precedence)}
- A63F 3/00261 . . [N: Details of game boards, e.g. rotatable, slidable or replaceable parts, modular game boards, vertical game boards
- A63F 3/0052 . . { with a plurality of boards used during one game, i.e. separate game boards or playing areas}
- A63F 3/00529 . . { Board game without game board}
- A63F 3/00533 . . { Connection of game board or part of game board to supporting structure}
- A63F 3/00574 . . { Connections between board and playing pieces}
- A63F 3/00634 . . . { Sliding connections, e.g. playing pieces sliding in a groove}
- A63F 3/00643 . { Electric board games; Electric features of board games (electric word or number games [A63F 3/0421](#); computer chess G06F; electric raffle games [A63F 3/081](#))}
- A63F 3/00694 . { Magnetic board games (other games using magnetically moved or magnetically held pieces [A63F 9/34](#))}
- A63F 3/00697 . { Playing pieces}
- A63F 3/00895 . { Accessories for board games ([A63F 3/00697](#) takes precedence; game accessories of general use [A63F 11/00](#))}
- A63F 3/02 . Chess; Similar board games
- A63F 3/022 . . {Recording or reproducing chess games (data processing for game playing **G06F 19/00B**; teaching games [G09B 19/22](#))}
- A63F 3/027 . . { Pocket chess}
- A63F 3/04 . Geographical or like games; Educational games (educational appliances in general [G09B](#))
- A63F 3/0402 . . { for learning languages}
- A63F 3/0415 . . {Number games (electric [A63F 3/0421](#); mathematical models or topics [A63F 3/0457](#); two-dimensional puzzles with rotating rings or discs [A63F 9/0811](#), [A63F 9/0819](#))}
- A63F 3/0421 . . {Electric word or number games}
- A63F 3/0423 . . {Word games, e.g. scrabble (electric [A63F 3/0421](#); two-dimensional puzzles with rotating rings or discs [A63F 9/0811](#), [A63F 9/0819](#))}
- A63F 3/0434 . . { Geographical games (travelling [A63F 3/00088](#))}
- A63F 3/0449 . . {concerning history}
- A63F 3/0457 . . {concerning science or technology, e.g. geology, chemistry, statistics, computer flow charts, radio, telephone ([A63F 3/0478](#) takes precedence; other games concerning science or technology [A63F 9/0076](#))}
- A63F 3/0478 . . {concerning life sciences, e.g. biology, ecology, nutrition, health, medicine, psychology}
- A63F 3/0494 . . {concerning the highway code}
- A63F 3/0497 . . { Games about time, e.g. telling the time}
- A63F 3/06 . Lottos or bingo games; Systems, apparatus or devices for checking such games {(small boxes with balls used for generating random numbers [A63F 7/048](#); lottery apparatus [G07C 15/00](#); lottery gaming stations, online lottery or bingo **G07F 17/32D**; printing processes for lottery tickets [B41M 3/005](#))}

- A63F 3/0605 .. { Lottery games}
- WARNING**  
not complete, reorganisation pending
- A63F 3/061 ... { in which the players select their own numbers, e.g. Lotto}
- A63F 3/0615 ... { based on sporting events, e.g. football pools}
- A63F 3/062 .. { Bingo games, e.g. Bingo card games}
- A63F 3/0625 .. { Devices for filling-in or checking}
- A63F 3/063 ... {Checking-cards with rupturable portions}
- A63F 3/0635 ... { Punchers for filling-in or checking lotto or bingo games}
- A63F 3/064 ... { Electric devices for filling-in or checking}
- A63F 3/0645 .. { Electric lottos or bingo games}
- A63F 3/065 .. { Tickets or accessories for use therewith ([A63F 3/0625](#) takes precedence)}
- A63F 3/0655 ... { Printing of tickets, e.g. lottery tickets}
- A63F 3/0665 ... {having a message becoming legible after rubbing-off a coating or removing an adhesive layer (for educational purposes [G09B](#))}
- A63F 3/068 .... {Accessories therefor, e.g. ticket scrapers}
- A63F 3/0685 ... {having a message becoming legible after a chemical reaction or physical action has taken place, e.g. applying pressure, heat treatment, spraying with a substance, breaking microcapsules (use of microcapsules for duplicating paper [B41M 5/165](#))}
- A63F 3/069 ... { having a message becoming legible by tearing-off non-adhesive parts}
- A63F 3/0695 ... {with slidable, hinged or rotatable parts, e.g. reusable bingo game boards}
- A63F 3/08 . Raffle games that can be played by a fairly large number of people {([A63F 3/0625](#), [A63F 3/065](#) take precedence; lottery apparatus [G07C 15/00](#); lottery gaming stations, online lottery or bingo [G07F 17/32D](#))}
- A63F 3/081 .. {electric}
- A63F 5/00** **Roulette games** (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game [A63F 13/00](#))
- A63F 5/0005 . { Automatic roulette}
- A63F 5/0011 . { Systems for braking, arresting, halting or stopping}
- A63F 5/0017 .. { Braking effect by electric or magnetic field}
- A63F 5/0023 .. { by pushing or keeping an element between notches}
- A63F 5/0029 ... { using gravity}
- A63F 5/0035 .... { free moving element, e.g. ball}
- A63F 5/0041 ... { with a resilient element, e.g. spring}
- A63F 5/0047 .... { with adjustable tension}
- A63F 5/0052 .. { Braking effect by friction surface}
- A63F 5/0058 .. { with variable actuation means, e.g. handbrake}
- A63F 5/0064 ... { electrical}

- A63F 5/007 . { Details about the compartments or sectors, e.g. sectors having different sizes}
- A63F 5/0076 . { Driving means}
- A63F 5/0082 . . { electrical}
- A63F 5/0088 . { with a plurality of balls used during one game}
- A63F 5/0094 . { with a plurality of roulette wheels ([A63F 5/043](#) takes precedence)}
- A63F 5/02 . Roulette-like ball games
- A63F 5/04 . Disc roulettes; Dial roulettes; Teetotums; Dice-tops
- A63F 5/041 . . { Teetotums; Dice-tops}
- A63F 5/043 . . { using concentric discs or rings}
- A63F 5/045 . . { using a rotating wheel and a fixed indicator, e.g. fortune wheels}
- A63F 5/046 . . . { with a horizontal wheel, i.e. wheel with a vertical rotation axle}
- A63F 5/048 . . with symbols viewable through holes or windows

**A63F 7/00**

**Indoor games using small moving playing bodies, e.g. balls, discs or blocks** (board games, raffle games [A63F 3/00](#); roulette games [A63F 5/00](#); miniature bowling games [A63D 3/00](#); bagatelle or similar games [A63D 13/00](#); billiards, pocket billiards [A63D 15/00](#))

**WARNING**

Groups not complete pending reclassification: [A63F 7/02B](#), [A63F 7/0656](#), [A63F 7/0616](#), [A63F 7/062](#), [A63F 7/0624](#), [A63F 7/0632](#), [A63F 7/064](#), [A63F 7/0644](#), [A63F 7/0648](#), [A63F 7/0656](#), [A63F 7/24](#), [A63F 7/2418](#), [A63F 7/2427](#), [A63F 7/249](#), [A63F 7/26M](#), [A63F 7/28](#), [A63F 7/30](#), [A63F 7/3055](#), [A63F 7/306](#), [A63F 7/307](#), [A63F 7/34](#), [A63F 7/36](#), [A63F 7/38H](#). See also this group and its subgroups

- A63F 7/0005 . { played on a table, the ball or other playing body being rolled or slid from one side of the table in more than one direction or having more than one entering position on this same side, e.g. shuffle boards (miniature bowling-alleys [A63D 3/00](#); goalposts per se [A63F 7/305](#))}
- A63F 7/0017 . {played on a table by two players from opposite sides of the table ([A63F 7/06](#) takes precedence)}
- A63F 7/0023 . {played on a table from all sides, e.g. marble games}
- A63F 7/0058 . { electric ([A63F 7/027](#), [A63F 7/3065](#) take precedence)}
- A63F 7/0076 . {the playing bodies having the function of playing pieces, imitating a board game}
- A63F 7/0088 . {using magnetic power ([A63F 7/068](#) takes precedence; magnetic toys [A63H 33/26](#))}
- A63F 7/02 . using falling playing bodies or playing bodies running on an inclined surface, e.g. pinball games {(bagatelle or similar games [A63D 13/00](#))}
- A63F 7/022 . . { Pachinko }

- A63F 7/025 .. {Pinball games, e.g. flipper games}
- A63F 7/027 ... {electric}
- A63F 7/04 . using balls to be shaken or rolled in small boxes, {e.g. comprising labyrinths}
- A63F 7/041 .. {Two-dimensional labyrinths}
- A63F 7/042 .. {Three-dimensional labyrinths}
- A63F 7/044 .. { Hand-held boxes with balls rolled, e.g. towards holes, by tilting the box  
([A63F 7/382](#), [A63F 7/041](#) take precedence; tiltable on a support [A63F 7/386](#))}
- A63F 7/045 .. {containing a liquid}
- A63F 7/047 .. {magnetic}
- A63F 7/048 .. {used for generating random numbers}
- A63F 7/06 . Games simulating outdoor ball games, e.g. hockey { or football if physically beneficial  
for the human body [A63B 67/00](#)}
- A63F 7/0604 .. { Type of ball game ([A63F 7/0672](#) and [A63F 7/0684](#) take precedence)}

### **WARNING**

not complete, reorganisation pending

- A63F 7/0608 ... { Baseball}
- A63F 7/0612 ... { Basketball}
- A63F 7/0616 ... { Football or soccer}
- A63F 7/062 ..... { Penalty shooting}
- A63F 7/0624 ... { Croquet }
- A63F 7/0628 ... { Golf}
- A63F 7/0632 ... { Hockey}
- A63F 7/0636 ..... { Ice-hockey}
- A63F 7/064 ... { Petanque}
- A63F 7/0644 ... { Polo}
- A63F 7/0648 ..... { Water-polo}
- A63F 7/0652 ... { Tennis}
- A63F 7/0656 ... { Volleyball}
- A63F 7/066 .. {the playing bodies being projected by means of compressed air}
- A63F 7/0664 .. Electric
- A63F 7/0668 .. {the ball being flicked with a finger or hit with a stick, cue or sliding disc which are  
not connected to the table}
- A63F 7/0672 .. {with play figures fixed to a rotatable and longitudinally movable shaft}
- A63F 7/0676 ... {Play figures therefor}
- A63F 7/068 .. {using magnetic power (magnetic toys [A63H 33/26](#))}
- A63F 7/0684 .. { with play figures slidable or rotatable about a vertical axis ([A63F 7/0672](#) takes  
precedence)}
- A63F 7/0688 .. { with operation by foot}
- A63F 7/0692 ... { Kicking}
- A63F 7/0696 ... { using a pedal}

- A63F 7/07 . . in which the playing bodies contact, or are supported by, the playing surface continuously, e.g. using air-cushion support **{(not used, see subgroups of [A63F 7/06](#))}**
- A63F 7/20 . . in which the playing bodies are projected through the air **{(not used, see subgroups of [A63F 7/06](#))}**
- A63F 7/22 . in which the playing bodies are projected through the air **{(not used, see subgroups of [A63F 7/06](#))}**
- A63F 7/24 . . Devices controlled by the player to project or roll-off the playing bodies (arrangement of such devices in table alleys, miniature bowling-alleys or bowling games [A63D 3/02](#); in bagatelle or billiards [A63D 13/00](#), [A63D 15/00](#))
  - A63F 7/2409 . . . { Apparatus for projecting the balls}
  - A63F 7/2418 . . . . { with two projecting mechanisms working under different angles }
  - A63F 7/2427 . . . . { with laterally movable, slidable projecting mechanism}
  - A63F 7/2436 . . . . { Hand-held or connected to a finger, e.g. cues, clubs, sticks}
  - A63F 7/2472 . . . . { Projecting devices with actuating mechanisms, e.g. triggers, not being connected to the playfield }
  - A63F 7/2481 . . . . { with a projection mechanism actuated by a spring or other elastic member}
  - A63F 7/249 . . . . { projecting the playing bodies through the air, e.g. with a jump}
  - A63F 7/26 . . . Electric or magnetic
  - A63F 7/265 . . . . { using a magnet for movement of the ball}
  - A63F 7/28 . . . using gravity, { i.e. apparatus for rolling off the ball, e.g. a slope, ramp or slant}
  - A63F 7/30 . . { Details of the playing surface, e.g.} obstacles; { Goal posts;} Targets; Scoring or pocketing devices; Playing-body-actuated sensors, e.g. switches; Tilt indicators; { Means for detecting misuse or errors}
  - A63F 7/305 . . . { Goal-posts; Winning posts for rolling-balls}
  - A63F 7/3055 . . . . { with means for closing or opening a hole, covering, blocking or uncovering, unblocking a target }
  - A63F 7/306 . . . . { with a score counter}
  - A63F 7/3065 . . . . { Electric}
  - A63F 7/307 . . . . . { with a score counter}
  - A63F 7/3075 . . . . . { imparting energy to the ball, e.g. bumper-kickers, reprojectors }
  - A63F 7/32 . . . Apparatus for varying scoring values
  - A63F 7/34 . . Other devices for handling the playing bodies, e.g. bonus ball return means
  - A63F 7/36 . . Constructional details not covered by groups [A63F 7/24](#) to [A63F 7/34](#), { i.e. constructional details of rolling boards, rims or play tables}, e.g. frame, game boards, guide tracks,
    - A63F 7/3603 . . . { Rolling boards with special surface, e.g. air cushion boards}
    - A63F 7/3622 . . . { Specially shaped rolling boards for the balls, e.g. ball tracks}
    - A63F 7/38 . . . Playing surfaces movable during play{, i.e. games played on a non-stationary surface, e.g. the ball intended to be in permanent motion (balls to be shaken or rolled in small boxes [A63F 7/04](#); eccentric weights put into orbital motion by nutating movement of the user **A63B 21/06B2**)}
    - A63F 7/382 . . . . { held by the user, e.g. spinning hoops, whirling amusement devices, orbiting toys}
    - A63F 7/386 . . . . { Rolling boards adapted to be rocked during play}
    - A63F 7/388 . . . . { Ball games with balls rolled on two movable long sticks}



- A63F 7/40 . . . Balls or other moving playing bodies, e.g. pinballs or discs { **used instead of balls**}
- A63F 9/00** **Games not otherwise provided for** (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game [A63F 13/00](#){ ;miscellaneous sporting games [A63B 67/00](#)})
- WARNING**
- Groups incomplete pending reclassification reorganisation:[A63F 9/0243](#),  
[A63F 9/04S](#), [A63F 9/06A](#), [A63F 9/06B](#), [A63F 9/06C](#), [A63F 9/06D](#), [A63F 9/06E](#),  
[A63F 9/06P](#), [A63F 9/06S](#), [A63F 9/06T](#), [A63F 9/0807](#), [A63F 9/0834](#), [A63F 9/0838](#),  
[A63F 9/0842](#), [A63F 9/0857](#), [A63F 9/0861](#), [A63F 9/0865](#), [A63F 9/0869](#),  
[A63F 9/0873](#), [A63F 9/12C](#), [A63F 9/12P](#), [A63F 9/12S](#). See also this group and its subgroups
- A63F 9/0001 . {Games specially adapted for handicapped, blind or bed-ridden persons}
- A63F 9/001 . {Games or toys connected to, or combined with, other objects; Objects with a second use as a toy or game}
- A63F 9/0073 . { Games for obtaining a particular arrangement of playing pieces in a plane or space ([A63F 9/08](#) takes precedence; ticktacktoe [A63F 3/00094](#); three-dimensional chess-like games [A63F 3/00214](#))}
- A63F 9/0076 . {Games representing technical, industrial or scientific activities, e.g. oil exploration, space ship navigation games}
- A63F 9/0078 . { Labyrinth games ([A63F 3/00097](#), [A63F 7/04](#) take precedence)}
- A63F 9/0079 . { Games using compressed air, e.g. with air blowers, balloons, vacuum ([A63F 7/066](#) and [A63F 7/3603](#) take precedence)}
- A63F 9/0093 . {Punchboards}
- A63F 9/0096 . {Reaction time games (testing reaction time [A61B 5/162](#); reaction time training [A63B 69/0053](#); time registering, indicating or recording in connection with sports or games [G07C 1/22](#))}
- A63F 9/0098 . {Word or number games ([A63F 3/0415](#), [A63F 3/0421](#), [A63F 3/0423](#) take precedence)}
- A63F 9/02 . Shooting or hurling games (throwing-implements for sports or recreational use [A63B 65/00](#); throwing or projecting toys per se [A63H 33/18](#); { gun simulators [F41A 33/00](#), e.g. light- or radiation-emitting guns [F41A 33/02](#); practice apparatus for gun-aiming [F41G 3/26](#), e.g. using a light-emitting device [F41G 3/2616](#)}; targets, target ranges, bullet catchers [F41J](#), { photo-electric hit-detector systems [F41J 5/02](#)})
- A63F 9/0204 . . . {Targets therefor (for ball games [A63B 63/00](#))}
- A63F 9/0208 . . . { the projectile being connectable to the target, e.g. using hook and loop-type fastener, hooks}
- A63F 9/0243 . . . { Movable targets}
- A63F 9/0247 . . {Bombing or dropping games}
- A63F 9/0252 . . {Shooting devices therefor}
- A63F 9/0278 . . { Projectiles ([A63F 9/0208](#), [A63F 9/0247](#) and [A63F 9/0252](#) take precedence)}



- A63F 9/0291 .. {with a simulated projectile, e.g. an image on a screen}
- A63F 9/04 . Dice (dice tops [A63F 5/04](#){ D}); Dice-boxes; Mechanical dice-throwing devices  
{(casino or betting games played on boards [A63F 3/00157](#))}
- A63F 9/0402 .. { Rolling boards}
- A63F 9/0406 .. { Dice-throwing devices, e.g. dice cups}
- A63F 9/0413 .. {Cuboid dice}
- A63F 9/0415 .. { Details of dice, e.g. non-cuboid dice}
- A63F 9/0468 .. { Electronic dice; electronic dice simulators}
- A63F 9/0495 .. { Dice-boxes or similar storing means}

**WARNING**

not complete, reorganisation pending

- A63F 9/06 . Patience; Other games for self-amusement

**WARNING**

Groups [A63F 9/0601](#) to [A63F 9/0604](#) are not complete pending reclassification;  
see also this groups and its other subgroups

- A63F 9/0601 .. { for animals}
- A63F 9/0602 .. { Solitary games adapted for a single player}
- A63F 9/0604 .. { based on the use of colours}
- A63F 9/0611 .. { Solitary games adapted for multiple players}
- A63F 9/0612 .. { Electronic puzzles}
- A63F 9/0613 .. {Puzzles or games based on the use of optical filters or elements e.g. coloured filters, polaroid filters, transparent sheets with opaque parts (optical, colour or shadow toys [A63H 33/22](#))}
- A63F 9/0641 .. { using a marker or means for drawing, e.g. pen, pencil, chalk}
- A63F 9/0666 .. { matching elementary shapes to corresponding holes}
- A63F 9/0669 .. { Tessellation}
- A63F 9/08 .. Puzzles provided with elements movable in relation, {i.e. movably connected}, to each other
- A63F 9/0803 ... {Two-dimensional puzzles with slideable or rotatable elements or groups of elements, the main configuration remaining unchanged}
- A63F 9/0807 .... { requiring vacant positions or gap migration, e.g. two-dimensional sliding puzzles}
- A63F 9/0811 .... {with rotatable concentric rings or discs ([A63F 9/083](#) takes precedence)}
- A63F 9/0819 .... {with rotatable non-concentric discs, e.g. gear games}
- A63F 9/0823 .... {having overlapping circles with interchangeable elements}
- A63F 9/0826 ... {Three-dimensional puzzles with slidable or rotatable elements or groups of elements, the main configuration remaining unchanged, e.g. Rubik's cube (elements rotatable about just one axis, e.g. discs stacked as a cylinder [A63F 9/0811](#))}
- A63F 9/083 .... { with vacant positions or gap migration}

- A63F 9/0834 . . . . { comprising only two layers, e.g. with eight elements}
- A63F 9/0838 . . . . { with an element, e.g. invisible core, staying permanently in a central position having the function of central retaining spider and with groups of elements rotatable about at least three axes intersecting in one point}
- A63F 9/0842 . . . . . { each group consisting of again a central element and a plurality of additional elements rotatable about three orthogonal axes at both ends, the additional elements being rotatable about at least two axes, e.g. Rubik's cube}
- A63F 9/0857 . . . . { with elements slidably connected to a visible central body, e.g. beads in grooves}
- A63F 9/0861 . . . . { with elements slidably connected to neighbouring elements, e.g. with hollow interior}
- A63F 9/0865 . . . . { with a plurality of single elements rotatably connected to a central body which are characterised only by design, e.g. shape, use of colours or symbols}
- A63F 9/0869 . . . . { with groups of elements rotating about at least three axes not intersecting in one point, e.g. toroidal shapes}
- A63F 9/0873 . . . . { a sphere rotatable with respect to an inner sphere}
- A63F 9/0876 . . . {Bent wire or cord puzzles}
- A63F 9/088 . . . {Puzzles with elements that are connected by straps, strings or hinges, e.g. Rubik's Magic}
- A63F 9/10 . . Two-dimensional jig-saw puzzles
- A63F 9/1011 . . . { Composition of faces, i.e. visages, using individual pieces representing parts thereof}
- A63F 9/1044 . . . { Display boards therefor}
- A63F 9/12 . . Three-dimensional jig-saw puzzles
- A63F 9/1204 . . . { Puzzles consisting of non-interlocking identical blocks, e.g. children's block puzzles}
- A63F 9/1208 . . . { Connections between puzzle elements}
- A63F 9/1252 . . . { using pegs, pins, rods or dowels as puzzle elements}
- A63F 9/1288 . . . { Sculpture puzzles}
- A63F 9/14 . . Racing games, traffic games, or obstacle games characterised by figures moved by action of the players ({ racing} games using dice [A63F 3/00](#))
- A63F 9/143 . . {electric}
- A63F 9/16 . . Spinning-top games
- A63F 9/18 . . Question-and-answer games
- A63F 9/181 . . {Fortune-telling games}
- A63F 9/183 . . {electric}
- A63F 9/20 . . Dominoes or like games; Mah-Jongg games
- A63F 9/24 . . { Electric games;} Games using electronic circuits not otherwise provided for ({video games [A63F 13/00](#), computers for game playing per se **G06F 19/00B**; computerized gaming systems [G07F 17/32](#))}
- A63F 9/26 . . Balancing games, i.e. bringing elements into or out of balance

- A63F 9/28 . Chain-reaction games with toppling pieces; Dispensers or positioning devices therefor
- A63F 9/30 . Capturing games for grabbing or trapping objects, e.g. fishing games
- A63F 9/305 . . { Fishing games (with magnetic pieces [A63F 9/34](#))}
- A63F 9/32 . Games with a collection of long sticks, e.g. mikado ([A63F 9/30](#) takes precedence)
- A63F 9/34 . Games using magnetically moved or magnetically held pieces, not provided for in other subgroups of group [A63F 9/00](#)

**A63F 11/00** **Game accessories of general use** { e.g. score counters, boxes}

#### **NOTE**

Game accessories specially adapted for a particular type of game are classified in one of the groups [A63F 1/00](#) to [A63F 9/00](#) covering the particular game

#### **WARNING**

Groups not complete, pending reclassification: [A63F 11/00T](#); [A63F 11/00V](#); [A63F 11/00Y](#). See also this group]

- A63F 11/0002 . { Dispensing or collecting devices for tokens or chips (dispensers for game pieces in chain reaction games [A63F 9/28](#); coin freed apparatus for games [G07F 17/32](#), coin freed apparatus for gaming machines with circulation of gaming tokens [G07F 17/32D2](#))}
- A63F 11/0011 . { Chance selectors ([A63F 7/048](#), [A63F 9/04](#) take precedence)}
- A63F 11/0025 . { Tools}
- A63F 11/0051 . { Indicators of values, e.g. score counters}
- A63F 11/0074 . { Game concepts, rules or strategies}

**A63F 13/00** **Aspects of games using an electronically generated display having two or more dimensions, e.g. on a television screen, showing representations related to the game** (electric circuitry, see the relevant subclasses therefor)

- A63F 13/005 . {characterised by the type of game, e.g. ball games, fighting games}
- A63F 13/02 . Accessories (input or output arrangements for electrical digital computers [G06F 3/00](#))
- A63F 13/04 . for aiming at specific areas on the displays, e.g. with photodetecting means
- A63F 13/06 . using player-operated means for controlling the position of a specific area display
- A63F 13/08 . Constructional details or arrangements, e.g. housing, wiring, connections, cabinets, not otherwise provided for
- A63F 13/10 . Control of the course of the game, e.g. start, progress, end

A63F 13/12	<ul style="list-style-type: none"> <li>involving interaction between a plurality of game devices, e.g. transmission or distribution systems <a href="#">{(protocols for networked virtual reality, networked games H04L 29/06034)}</a></li> </ul>
A63F 2001/00	<b>Card games</b> (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game <a href="#">A63F 13/00</a> ; card games played on a gaming machine <a href="#">G07F 17/32</a> )
A63F 2001/001	<ul style="list-style-type: none"> <li>Bridge or baccarat</li> </ul>
A63F 2001/003	<ul style="list-style-type: none"> <li>Blackjack; Twenty one</li> </ul>
A63F 2001/005	<ul style="list-style-type: none"> <li>Poker</li> </ul>
A63F 2001/006	<ul style="list-style-type: none"> <li>Rummy</li> </ul>
A63F 2001/008	<ul style="list-style-type: none"> <li>adapted for being playable on a screen</li> </ul>
A63F 2001/02	<ul style="list-style-type: none"> <li>Cards; Special shapes of cards (<a href="#">card-printing methods B41K, B41M</a>)</li> </ul>
A63F 2001/022	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Manufacturing of cards</li> </ul> </li> </ul>
A63F 2001/025	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with holes or slits</li> </ul> </li> </ul>
A63F 2001/027	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with classical playing card symbols</li> </ul> </li> </ul>
A63F 2001/04	<ul style="list-style-type: none"> <li>Card games combined with other games</li> </ul>
A63F 2001/0408	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with text</li> </ul> </li> </ul>
A63F 2001/0416	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with numbers</li> </ul> </li> </ul>
A63F 2001/0425	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with dice dots</li> </ul> </li> </ul> </li> </ul>
A63F 2001/0433	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with domino dots</li> </ul> </li> </ul> </li> </ul>
A63F 2001/0441	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with a written message or sentence, e.g. chance or instruction cards</li> </ul> </li> </ul>
A63F 2001/045	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Chance or clue cards</li> </ul> </li> </ul> </li> </ul>
A63F 2001/0458	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with single words</li> </ul> </li> </ul>
A63F 2001/0466	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with single letters</li> </ul> </li> </ul>
A63F 2001/0475	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>with pictures or figures</li> </ul> </li> </ul>
A63F 2001/0483	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>having symbols or direction indicators for playing the game</li> </ul> </li> </ul> </li> </ul>
A63F 2001/0491	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>having markings on the rear face or reverse side</li> </ul> </li> </ul> </li> </ul>
A63F 2003/00	<b>Board games; Raffle games</b> (racing games, traffic games, or obstacle games characterised by figures moved by action of the players <a href="#">A63F 9/14</a> )
	<b><u>WARNING</u></b>
	Reorganisation pending for the following groups: <a href="#">A63F 3/00A</a> , <a href="#">A63F 3/00047</a> , <a href="#">A63F 3/00053</a> , <a href="#">A63F 3/00056</a> , <a href="#">A63F 3/00059</a> , <a href="#">A63F 3/00B</a> , <a href="#">A63F 3/00261</a> , <a href="#">A63F 3/0052</a> , <a href="#">A63F 3/00529</a> , <a href="#">A63F 3/00533</a> , <a href="#">A63F 3/04B</a> , <a href="#">A63F 3/04U</a> , <a href="#">A63F 3/06A</a> , <a href="#">A63F 3/061</a> , <a href="#">A63F 3/0615</a> , <a href="#">A63F 3/06B</a> , <a href="#">A63F 3/0635</a> , <a href="#">A63F 3/0655</a> . See also this group and its subgroups

- A63F 2003/00003 . { Types of board games ([chess A63F 3/02](#); [educational board games A63F 3/04](#))}
- A63F 2003/00006 .. { Board games played along a linear track, e.g. game of goose, snakes and ladders, along an endless track ([A63F 3/00028](#) to [A63F 3/00157](#), [A63F 3/04](#) take precedence)}
- A63F 2003/00009 ... with an intersection in the track
- A63F 2003/00012 .... with movable means for switching to another track
- A63F 2003/00015 .... with a star-shaped track ([A63F 2003/00025](#) takes precedence)
- A63F 2003/00018 ... played along an endless track
- A63F 2003/00022 .... played along concentric endless tracks
- A63F 2003/00025 .... with a star-shaped track inside, e.g. trivial pursuit
- A63F 2003/00028 .. { Board games simulating indoor or outdoor sporting games, e.g. bowling, basketball, boxing, croquet, athletics, jeu de boules, darts, snooker, rodeo ([racing games played on boards A63F 3/00082](#); [indoor games played with small balls A63F 7/00](#))}
- A63F 2003/00031 ... { Baseball or cricket board games}
- A63F 2003/00034 .... Baseball
- A63F 2003/00037 .... Cricket
- A63F 2003/00063 .. { Board games concerning economics or finance, e.g. trading}
- A63F 2003/00066 ... with play money ([with real coins or paper money K63F 50/13](#))
- A63F 2003/00075 .. { War games}
- A63F 2003/00078 ... Naval war
- A63F 2003/001 .. { Board games concerning astrology, religion, or fortune-telling ([fortune-telling games A63F 9/181](#))}
- A63F 2003/00104 ... Board games having astrology aspects
- A63F 2003/00107 ... Board games having aspects of the Yin Yang game
- A63F 2003/0011 ... Board games having religion aspects
- A63F 2003/00113 ... Board games having aspects of the I Ching game
- A63F 2003/00116 ... Board games having aspects of the Tarot game
- A63F 2003/00119 .. { Board games concerning music, theatre, cinema, or art}
- A63F 2003/00123 ... Board games concerning music
- A63F 2003/00126 .... using audio equipment
- A63F 2003/00129 ..... with a compact disc player
- A63F 2003/00132 ... specially adapted for teaching music
- A63F 2003/00135 ... Board games concerning cinema or films
- A63F 2003/00138 .. { Board games concerning voting, political or legal subjects; Patent games}
- A63F 2003/00141 ... Patent games
- A63F 2003/00157 .. { Casino or betting games ([horse races A63F 3/00082](#))}
- A63F 2003/0016 ... imitating fruit machines
- A63F 2003/00164 ... Casino tables
- A63F 2003/00167 ... with a jackpot
- A63F 2003/0017 .... progressive jackpot
- A63F 2003/00173 . { Characteristics of game boards, alone or in relation to supporting structures or playing piece}

A63F 2003/00176	..	{ Boards having particular shapes, e.g. hexagonal, triangular, circular, irregular}
A63F 2003/00179	...	Triangular game board
A63F 2003/00182	...	Four-sided game board
A63F 2003/00186	....	Plus- or cross-shaped game board
A63F 2003/00189	...	Pentagonal game board
A63F 2003/00192	....	Star-shaped game board
A63F 2003/00195	...	Hexagonal game board
A63F 2003/00198	....	Star-shaped game board
A63F 2003/00201	...	Octagonal game board
A63F 2003/00205	...	Decagonal game board
A63F 2003/00208	...	Circular game board
A63F 2003/00211	...	Elliptical game board
A63F 2003/00214	..	{ Three-dimensional game boards}
A63F 2003/00217	...	Superimposed boards
A63F 2003/0022	...	played in three dimensions
A63F 2003/00223	...	shaped as a container into which playing pieces may enter (box or container for board games <a href="#">A63F 2003/00943</a> )
A63F 2003/00227	....	with five play locations and optionally a sixth in the middle
A63F 2003/0023	..	{ Foldable, rollable, collapsible or segmented boards ( <a href="#">A63F 3/027</a> takes precedence)}
A63F 2003/00233	...	with one fold or hinge (shaped as a book <a href="#">A63F 2003/00299</a> ; convertible into a suitcase <a href="#">A63F 2003/0094</a> )
A63F 2003/00236	....	with a part of the rim or board missing near the fold to enable folding; Hinge consisting of a flexible element fixed at the bottom
A63F 2003/00239	...	with two hinges or folds
A63F 2003/00242	....	perpendicular
A63F 2003/00246	...	with three or more hinges or folds
A63F 2003/00249	....	all parallel
A63F 2003/00252	....	perpendicular
A63F 2003/00255	...	playable during travel (storing or transporting an interrupted jig-saw puzzle game <a href="#">A63F 2009/105</a> )
A63F 2003/00258	...	rollable, flexible or deformable board (shaped as an endless belt <a href="#">A63F 2003/00321</a> ; flexible rim <a href="#">A63F 2003/00504</a> )
A63F 2003/00261	..	[N: Details of game boards, e.g. rotatable, slidable or replaceable parts, modular game boards, vertical game boards
A63F 2003/00264	...	with rotatable or tiltable parts
A63F 2003/00268	....	about a vertical axis, e.g. a disc
A63F 2003/00271	.....	underneath the playing surface and viewable through holes or windows
A63F 2003/00274	.....	with or designed as a turntable, lazy Susan
A63F 2003/00277	.....	with rotatable concentric parts
A63F 2003/0028	.....	with rotatable disc and rings in one plane
A63F 2003/00283	.....	with rotatable non-concentric parts
A63F 2003/00287	....	about a horizontal axis
A63F 2003/0029	.....	underneath the playing surface and viewable through holes or windows

A63F 2003/00293	.....	with blocks rotatable about a horizontal axis
A63F 2003/00296	.....	on one common axis
A63F 2003/00299	.....	designed as a book
A63F 2003/00302	....	with parts rotatable about an axis perpendicular to the game board
A63F 2003/00305	....	rotatable about any axis, e.g. ball in a socket
A63F 2003/00309	....	with stopping means ( <a href="#">for roulette A63F 5/0011</a> )
A63F 2003/00312	.....	Detents
A63F 2003/00315	.....	using braking effect caused by friction
A63F 2003/00318	....	with a rollable board surface
A63F 2003/00321	.....	shaped as an endless belt
A63F 2003/00324	...	with slidable parts of the playing surface
A63F 2003/00328	....	underneath the playing surface and viewable through holes or windows
A63F 2003/00331	....	with two or more slidable parts, e.g. parallel
A63F 2003/00334	.....	on different levels
A63F 2003/00337	.....	in perpendicular directions
A63F 2003/0034	...	with a replaceable part of the playing surface
A63F 2003/00343	....	underneath a transparent surface
A63F 2003/00347	....	the playing surface as a whole being replaceable
A63F 2003/0035	.....	with stackable playing surfaces
A63F 2003/00353	.....	with holes or windows
A63F 2003/00356	.....	by insertion through a slit
A63F 2003/00359	...	Modular units
A63F 2003/00362	....	with connections between modules
A63F 2003/00365	.....	Hook and loop-type fastener
A63F 2003/00369	.....	Adhesive
A63F 2003/00372	.....	Pin and socket connection
A63F 2003/00375	.....	Snap fit
A63F 2003/00378	.....	sliding in a groove
A63F 2003/00381	.....	Jig-saw connection, e.g. dove tail
A63F 2003/00384	.....	with a hook or an eyelet
A63F 2003/00388	.....	with an auxiliary connective element, e.g. clip or clamp
A63F 2003/00391	.....	magnetic
A63F 2003/00394	...	with a surface relief
A63F 2003/00397	....	Changeable
A63F 2003/004	....	with a repetitive structure
A63F 2003/00403	.....	Stepped
A63F 2003/00406	...	with a vertical game board
A63F 2003/0041	....	with playing pieces visible from both sides
A63F 2003/00413	....	playable on opposite sides but with playing field of opponent not being visible
A63F 2003/00416	...	with means for hiding a part of the playing field
A63F 2003/00419	....	with a shield in the middle ( <a href="#">A63F 2003/00406 takes precedence</a> )



A63F 2003/00422	.....	the shield being removable
A63F 2003/00425	....	with a shield on each side of the playing field
A63F 2003/00429	.....	The shield being removable
A63F 2003/00432	....	covering a part of the playing field
A63F 2003/00435	...	with a sloping playing field or part thereof
A63F 2003/00438	....	on two sides, e.g. as a roof
A63F 2003/00441	.....	Inverted
A63F 2003/00444	.....	Truncated
A63F 2003/00447	....	on three or more sides, e.g. pyramid-shaped
A63F 2003/00451	.....	Inverted
A63F 2003/00454	.....	Truncated
A63F 2003/00457	...	Details of game board internal structure or materials thereof
A63F 2003/0046	....	with anti-slip means
A63F 2003/00463	...	Details of the playing field ( <a href="#">shape of the board A63F 3/00176</a> ; <a href="#">changing the size A63F 2003/00971</a> )
A63F 2003/00466	....	with indications, e.g. directions for playing
A63F 2003/0047	....	Geometric shapes of individual playing fields
A63F 2003/00473	.....	Triangular
A63F 2003/00476	.....	Rectangular
A63F 2003/00479	.....	Pentagonal
A63F 2003/00482	.....	Hexagonal
A63F 2003/00485	....	Edges or other provisions for toppling or rolling a playing piece
A63F 2003/00488	....	with means for limiting the size of the playing field ( <a href="#">A63F 2003/00971</a> takes precedence)
A63F 2003/00492	...	Details of the rim or side edge ( <a href="#">A63F 2003/00236</a> takes precedence)
A63F 2003/00495	....	Information on the rim
A63F 2003/00498	.....	by colours
A63F 2003/00501	.....	by numbers or letters
A63F 2003/00504	....	Flexible rim
A63F 2003/00507	....	Hinged or collapsible rim
A63F 2003/00511	....	Rim without board, e.g. empty frame
A63F 2003/00514	....	Rim or side edge with storing space for objects, e.g. unused playing pieces
A63F 2003/00517	....	Releasable rim
A63F 2003/0052	..	{ with a plurality of boards used during one game, i.e. separate game boards or playing areas }
A63F 2003/00523	...	with a separate board for each player
A63F 2003/00526	...	for playing different games, e. g. with playing surfaces on opposite sides of the board ( <a href="#">A63F 2003/00968</a> takes precedence)
A63F 2003/00533	..	{ Connection of game board or part of game board to supporting structure }
A63F 2003/00536	...	Adhesive
A63F 2003/00539	...	Suction cups
A63F 2003/00542	...	Clamps or clips
A63F 2003/00545	...	Magnetic

A63F 2003/00548	...	with pin and hole
A63F 2003/00552	....	Snap fit
A63F 2003/00555	....	Pin, drawing pin or thumbtack
A63F 2003/00558	...	sliding or slidable in a groove
A63F 2003/00561	...	with staples
A63F 2003/00564	...	by tying to supporting structure, e.g. with ropes
A63F 2003/00567	....	using elastic means, e.g. rubber bands
A63F 2003/0057	...	Hook and loop-type fastener
A63F 2003/00574	..	{ <a href="#">Connections between board and playing pieces</a> }
A63F 2003/00577	...	Hook and loop-type fastener
A63F 2003/0058	...	Adhesive
A63F 2003/00583	...	with pin and hole
A63F 2003/00586	....	Snap fit
A63F 2003/00589	....	two or more pins or holes on one playing piece
A63F 2003/00593	....	friction fitted
A63F 2003/00596	.....	adjustable in height
A63F 2003/00599	.....	with slit, slot or groove ( <a href="#">A63F 3/00634</a> takes precedence)
A63F 2003/00602	....	using pins, e.g. pins pierced into a soft board
A63F 2003/00605	....	The hole being in the playing piece
A63F 2003/00608	....	Characterised by the shape of the hole
A63F 2003/00611	...	Suction cups
A63F 2003/00615	...	with a hook or an eyelet
A63F 2003/00618	...	Clamps or clips
A63F 2003/00621	...	Screw elements
A63F 2003/00624	...	The playing piece being retained by a string or rope
A63F 2003/00627	....	being elastic or resilient, e.g. rubber band
A63F 2003/0063	...	Magnetic
A63F 2003/00634	...	{ <a href="#">Sliding connections, e.g. playing pieces sliding in a groove</a> }
A63F 2003/00637	....	with non-intersecting, e.g. parallel, grooves
A63F 2003/0064	....	The groove being in the playing piece
A63F 2003/00643	.	{ <a href="#">Electric board games</a> ; <a href="#">Electric features of board games</a> ( <a href="#">electric word or number games</a> <a href="#">A63F 3/0421</a> ; <a href="#">computer chess</a> <a href="#">G06F</a> ; <a href="#">electric raffle games</a> <a href="#">A63F 3/081</a> )}
A63F 2003/00646	..	with illumination of playing field or playing piece
A63F 2003/00649	...	Lightbulbs
A63F 2003/00652	...	Light-emitting diodes
A63F 2003/00656	...	Fibre optics
A63F 2003/00659	...	LCD's
A63F 2003/00662	..	with an electric sensor for playing pieces ( <a href="#">A63F 2009/2444</a> takes precedence)
A63F 2003/00665	...	using inductance
A63F 2003/00668	...	using hall effect
A63F 2003/00671	...	Pressure or force sensor

A63F 2003/00675	...	Reed relay
A63F 2003/00678	..	with circuits closed by mechanical means
A63F 2003/00681	...	The playing field comprising two parallel conducting layers
A63F 2003/00684	....	One of the conducting layers being flexible so that electrical contact with the other can be established, e.g. by the weight of a playing piece
A63F 2003/00687	...	Printed circuits
A63F 2003/0069	...	using a spring
A63F 2003/00697	.	{ <b>Playing pieces</b> }
A63F 2003/007	..	Design of classical playing pieces, e.g. classical chess, draughts or go
A63F 2003/00703	...	Tokens or chips
A63F 2003/00706	...	Mill game
A63F 2003/00709	...	Nim game
A63F 2003/00712	...	Scissors, paper, stone or rock
A63F 2003/00716	..	Connectable or stackable playing pieces or parts thereof
A63F 2003/00719	...	with connections amongst the playing pieces or parts thereof
A63F 2003/00722	....	Hook and loop-type fastener
A63F 2003/00725	....	Peg and socket connection
A63F 2003/00728	.....	Snap-fitted
A63F 2003/00731	....	Hook or eyelet
A63F 2003/00735	....	Clamp or clip
A63F 2003/00738	....	Magnetic
A63F 2003/00741	....	Screw elements
A63F 2003/00744	....	with a connection to a playing piece that stands on another playing field
A63F 2003/00747	..	Playing pieces with particular shapes
A63F 2003/0075	...	covering two or more playing fields
A63F 2003/00753	...	L-shaped
A63F 2003/00757	...	Planimetric shapes, e.g. disks
A63F 2003/0076	....	circular ( <a href="#">A63F 2003/00703</a> takes precedence)
A63F 2003/00763	.....	Sections, sectors or segments
A63F 2003/00766	....	Triangular
A63F 2003/00769	....	Isosceles
A63F 2003/00772	....	Rectangular
A63F 2003/00776	.....	Lozenged
A63F 2003/00779	.....	Square
A63F 2003/00782	....	Pentagonal
A63F 2003/00785	....	Hexagonal
A63F 2003/00788	....	Heptagonal
A63F 2003/00791	....	Octagonal
A63F 2003/00794	...	Stereometric shapes
A63F 2003/00798	....	Spheres
A63F 2003/00801	....	Cylinders

A63F 2003/00804	....	Pyramids
A63F 2003/00807	....	Tetrahedrons
A63F 2003/0081	....	Blocks
A63F 2003/00813	....	Cubes
A63F 2003/00817	....	Cones
A63F 2003/0082	....	Prisms
A63F 2003/00823	...	T-shaped
A63F 2003/00826	..	Changeable playing pieces
A63F 2003/00829	...	with adjustable height
A63F 2003/00832	..	with groups of playing pieces, each group having its own characteristic
A63F 2003/00835	...	The characteristic being the colour
A63F 2003/00839	...	The characteristic being size or shape
A63F 2003/00842	...	The characteristic being a graphical marking
A63F 2003/00845	..	Additional features of playing pieces; Playing pieces not assigned to one particular player
A63F 2003/00848	...	Barriers, obstacles or obstructions ( <a href="#">A63F 2003/00971</a> takes precedence)
A63F 2003/00851	....	Hurdles
A63F 2003/00854	...	Element covering a playing piece
A63F 2003/00858	...	Direction indicators
A63F 2003/00861	...	Jokers wild cards
A63F 2003/00864	...	Markers, e.g. indicating the spot of a previous move ( <a href="#">score marking on play piece A63F 2011/0062</a> )
A63F 2003/00867	..	The playing piece having two characteristics
A63F 2003/0087	...	The characteristics being on the opposite sides of the playing piece
A63F 2003/00873	....	with different colours on the opposite sides
A63F 2003/00876	...	One of the characteristics being a colour
A63F 2003/0088	..	The playing piece having three characteristics
A63F 2003/00883	..	The playing piece having four or more characteristics, e.g. on four or more faces
A63F 2003/00886	..	Transparent
A63F 2003/00889	...	with a colour
A63F 2003/00892	..	Manufacturing of playing pieces
A63F 2003/00895	.	{ <a href="#">Accessories for board games (A63F 3/00697</a> takes precedence; <a href="#">game accessories of general use A63F 11/00</a> ) }
A63F 2003/00899	..	Instruments for handling a playing piece
A63F 2003/00902	...	adhesive
A63F 2003/00905	...	with a suction cup
A63F 2003/00908	...	with clamping means
A63F 2003/00911	...	with a hook or an eyelet
A63F 2003/00914	....	Fork
A63F 2003/00917	...	with pin and hole
A63F 2003/00921	....	snap fit
A63F 2003/00924	...	Threaded connection

- A63F 2003/00927 . . . magnetic
- A63F 2003/0093 . . . . acting through a cover, e.g. transparent cover
- A63F 2003/00933 . . . pointed instrument
- A63F 2003/00936 . . Handle on the board or box for carrying
- A63F 2003/0094 . . . convertible into a suitcase
- A63F 2003/00943 . . Box or container for board games
- A63F 2003/00946 . . . with a storage for playing pieces next to the playing field ([rim with storing space A63F 2003/00514](#))
- A63F 2003/00949 . . . . with a lid
- A63F 2003/00952 . . . with a drawer
- A63F 2003/00955 . . . with a lid ([A63F 2003/00949](#) takes precedence)
- A63F 2003/00958 . . . . slidable
- A63F 2003/00962 . . . . with a game board on the lid or the inside of the lid
- A63F 2003/00965 . . . containing a set of board games
- A63F 2003/00968 . . . . with playing surfaces on opposite sides of the board
- A63F 2003/00971 . . . . with means for limiting the size of the playing field
- A63F 2003/00974 . . mounted, drawn on or designed as a table
- A63F 2003/00977 . . . with adjustable legs
- A63F 2003/00981 . . . with collapsible legs
- A63F 2003/00984 . . . with only foot pads, e.g. rubber
- A63F 2003/00987 . . . with a table-flap
- A63F 2003/0099 . . . with extension, e.g. sliding
- A63F 2003/00993 . . . with wheels or rollers
- A63F 2003/00996 . Board games available as video games
- A63F 2003/02 . Chess; Similar board games
- A63F 2003/022 . . {Recording or reproducing chess games (data processing for game playing [G06F 19/00B](#); teaching games [G09B 19/22](#))}
- A63F 2003/025 . . . for teaching chess
- A63F 2003/04 . Geographical or like games; Educational games ([educational appliances in general G09B](#))
- A63F 2003/0402 . . { for learning languages}
- A63F 2003/0405 . . . relating to specific languages
- A63F 2003/0407 . . . . arabic
- A63F 2003/041 . . . . chinese
- A63F 2003/0413 . . . . japanese
- A63F 2003/0415 . . {Number games (electric [A63F 3/0421](#); mathematical models or topics [A63F 3/0457](#); two-dimensional puzzles with rotating rings or discs [A63F 9/0811](#), [A63F 9/0819](#))}
- A63F 2003/0418 . . . with a grid, e.g. 'Sudoku'-type games
- A63F 2003/0423 . . {Word games, e.g. scrabble (electric [A63F 3/0421](#); two-dimensional puzzles with rotating rings or discs [A63F 9/0811](#), [A63F 9/0819](#))}
- A63F 2003/0426 . . . Spelling games

A63F 2003/0428	...	Crosswords
A63F 2003/0431	...	Encoding or decoding
A63F 2003/0434	..	{ Geographical games (travelling <a href="#">A63F 3/00088</a> )}
A63F 2003/0436	...	Flags
A63F 2003/0439	...	using geographical maps
A63F 2003/0442	....	Atlas
A63F 2003/0444	....	Globe
A63F 2003/0447	....	Road map
A63F 2003/0449	..	{concerning history}
A63F 2003/0452	...	Genealogy
A63F 2003/0455	...	Prehistoric
A63F 2003/0457	..	{concerning science or technology, e.g. geology, chemistry, statistics, computer flow charts, radio, telephone ( <a href="#">A63F 3/0478</a> takes precedence; other games concerning science or technology <a href="#">A63F 9/0076</a> )}
A63F 2003/046	...	Mathematics ( <a href="#">arithmetic</a> <a href="#">A63F 3/0415</a> )
A63F 2003/0463	....	Computers
A63F 2003/0465	....	Permutations
A63F 2003/0468	...	Astronomy
A63F 2003/0471	...	Physics
A63F 2003/0473	...	Mechanics
A63F 2003/0476	...	Chemistry
A63F 2003/0478	..	{concerning life sciences, e.g. biology, ecology, nutrition, health, medicine, psychology}
A63F 2003/0481	...	Biology
A63F 2003/0484	...	Ecology
A63F 2003/0486	...	Nutrition
A63F 2003/0489	...	Psychology
A63F 2003/0492	...	Medical
A63F 2003/06	.	Lottos or bingo games; Systems, apparatus or devices for checking such games {small boxes with balls used for generating random numbers <a href="#">A63F 7/048</a> ; lottery apparatus <a href="#">G07C 15/00</a> ; lottery gaming stations, online lottery or bingo <b>G07F 17/32D</b> ; printing processes for lottery tickets <a href="#">B41M 3/005</a> }
A63F 2003/065	..	{ Tickets or accessories for use therewith ( <a href="#">A63F 3/0625</a> takes precedence)}
A63F 2003/0655	...	{ Printing of tickets, e.g. lottery tickets}
A63F 2003/066	....	using ink jet
A63F 2003/0665	...	{having a message becoming legible after rubbing-off a coating or removing an adhesive layer (for educational purposes <a href="#">G09B</a> )}
A63F 2003/067	....	using carbon or graphite coating
A63F 2003/0675	....	using a metallic coating
A63F 2003/08	.	Raffle games that can be played by a fairly large number of people {( <a href="#">A63F 3/0625</a> , <a href="#">A63F 3/065</a> take precedence; lottery apparatus <a href="#">G07C 15/00</a> ; lottery gaming stations, online lottery or bingo <b>G07F 17/32D</b> )}
A63F 2003/081	..	{electric}

- A63F 2003/082 . . . with remote participants
- A63F 2003/083 . . . . played via television
- A63F 2003/084 . . . . played via radio
- A63F 2003/085 . . . . played via telegraph
- A63F 2003/086 . . . . played via telephone, e.g. using a modem
- A63F 2003/087 . . . . . using a fax
- A63F 2003/088 . . . . played via Internet

**A63F 2007/00**

**Indoor games using small moving playing bodies, e.g. balls, discs or blocks** (board games, raffle games [A63F 3/00](#); roulette games [A63F 5/00](#); miniature bowling games [A63D 3/00](#); bagatelle or similar games [A63D 13/00](#); billiards, pocket billiards [A63D 15/00](#))

**WARNING**

Groups not complete pending reclassification: [A63F 7/02B](#), [A63F 7/0656](#), [A63F 7/0616](#), [A63F 7/062](#), [A63F 7/0624](#), [A63F 7/0632](#), [A63F 7/064](#), [A63F 7/0644](#), [A63F 7/0648](#), [A63F 7/0656](#), [A63F 7/24](#), [A63F 7/2418](#), [A63F 7/2427](#), [A63F 7/249](#), [A63F 7/26M](#), [A63F 7/28](#), [A63F 7/30](#), [A63F 7/3055](#), [A63F 7/306](#), [A63F 7/307](#), [A63F 7/34](#), [A63F 7/36](#), [A63F 7/38H](#). See also this group and its subgroups

- A63F 2007/0005 . { played on a table, the ball or other playing body being rolled or slid from one side of the table in more than one direction or having more than one entering position on this same side, e.g. shuffle boards (miniature bowling-alleys [A63D 3/00](#); goalposts per se [A63F 7/305](#)) }
- A63F 2007/0011 . . Target bowling or skee ball
- A63F 2007/0023 . {played on a table from all sides, e.g. marble games}
- A63F 2007/0029 . . with a playstation for each participant sharing a part of the playing field
- A63F 2007/0035 . . . for two players
- A63F 2007/0041 . . . for three or more players
- A63F 2007/0047 . . simulating pool, snooker or billiards
- A63F 2007/0052 . . with a playstation for each participant, each with a separate playing field
- A63F 2007/0064 . Ball games combined with other games
- A63F 2007/007 . . with another ball game
- A63F 2007/0076 . {the playing bodies having the function of playing pieces, imitating a board game}
- A63F 2007/0082 . . Mancala
- A63F 2007/0088 . {using magnetic power ([A63F 7/068](#) takes precedence; magnetic toys [A63H 33/26](#)) }
- A63F 2007/0094 . . using electromagnetic action, e.g. for attracting a ball
- A63F 2007/22 . in which the playing bodies are projected through the air {(not used, see subgroups of [A63F 7/06](#)) }
- A63F 2007/24 . . Devices controlled by the player to project or roll-off the playing bodies (arrangement of such devices in table alleys, miniature bowling-alleys or bowling games [A63D 3/02](#); in bagatelle or billiards [A63D 13/00](#), [A63D 15/00](#))
- A63F 2007/2409 . . . { Apparatus for projecting the balls }



A63F 2007/2436	....	{ Hand-held or connected to a finger, e.g. cues, clubs, sticks}
A63F 2007/2445	.....	Stick-shaped
A63F 2007/2454	.....	Club, stick
A63F 2007/2463	.....	Cue
A63F 2007/28	...	using gravity, { i.e. apparatus for rolling off the ball, e.g. a slope, ramp or slant}
A63F 2007/282	....	Gutter-shaped
A63F 2007/284	.....	with a plurality of gutters, e.g. parallel
A63F 2007/286	....	Pipe-shaped
A63F 2007/288	....	with more ramps than two on opposite sides of the playing field
A63F 2007/30	..	{ Details of the playing surface, e.g.} obstacles; { Goal posts;} Targets; Scoring or pocketing devices; Playing-body-actuated sensors, e.g. switches; Tilt indicators; { Means for detecting misuse or errors}
A63F 2007/3005	...	Obstacles, obstructions
A63F 2007/301	....	Exchangeable
A63F 2007/3015	....	The obstruction being a wall with apertures allowing the ball to pass
A63F 2007/302	...	Hidden parts or passages
A63F 2007/3025	...	with means for indicating or regulating a start position, e.g. foul line
A63F 2007/303	...	Parts of the playing surface being movable, replaceable or removable (A63F 2007/301 takes precedence)
A63F 2007/3035	....	with movable playing surfaces rotatable about a vertical axis
A63F 2007/304	....	with movable playing surfaces supported or driven by horizontal rollers, e.g. using endless belts
A63F 2007/3045	....	Removable parts for service access
A63F 2007/308	...	Means for detecting misuse or errors, e.g. giving audible or visible warning; Preventing misuse
A63F 2007/3085	....	Tilting
A63F 2007/309	....	Preventing unauthorised use or vandalism
A63F 2007/3095	....	Protective sleeve or cover
A63F 2007/34	..	Other devices for handling the playing bodies, e.g. bonus ball return means
A63F 2007/341	...	Ball collecting devices or dispensers
A63F 2007/343	....	with a device for picking up the ball
A63F 2007/345	...	Ball return mechanisms; Ball delivery
A63F 2007/346	....	Gutter
A63F 2007/348	...	Anti-blocking devices for balls
A63F 2007/36	..	Constructional details not covered by groups A63F 7/24 to A63F 7/34, { i.e. constructional details of rolling boards, rims or play tables}, e.g. frame, game boards, guide tracks,
A63F 2007/3603	...	{ Rolling boards with special surface, e.g. air cushion boards}
A63F 2007/3607	....	with a flexible surface
A63F 2007/3611	....	with a playing surface playable on both sides
A63F 2007/3614	....	with details about roughness of playing surface
A63F 2007/3618	....	covered or coated with a regular structure, e.g. a net
A63F 2007/3625	...	Rolling board to be positioned on a table or floor
A63F 2007/3629	....	with means for connecting the rolling board or parts to the floor or table, e.g.

		clamps
A63F 2007/3633	...	Rolling boards characterised by the shape of the playing surface
A63F 2007/3637	....	Concave
A63F 2007/364	....	Convex
A63F 2007/3644	....	Roof-shaped
A63F 2007/3648	...	Rolling boards characterised by a non-horizontal playing surface
A63F 2007/3651	....	with adjustable angle
A63F 2007/3655	...	Collapsible, foldable or rollable parts
A63F 2007/3659	....	convertible into a suitcase
A63F 2007/3662	....	modular, e.g. with connections between modules
A63F 2007/3666	...	Rolling boards with a plurality of playing surfaces, e.g. on different levels
A63F 2007/367	...	Details of the rim
A63F 2007/3674	...	Details of play tables, designed as a table
A63F 2007/3677	....	with a cover remaining over the table during playing
A63F 2007/3681	.....	with a transparent dome
A63F 2007/3685	....	Details of legs
A63F 2007/3688	.....	adjustable
A63F 2007/3692	.....	collapsible
A63F 2007/3696	.....	removable
A63F 2007/38	...	Playing surfaces movable during play{, i.e. games played on a non-stationary surface, e.g. the ball intended to be in permanent motion (balls to be shaken or rolled in small boxes <a href="#">A63F 7/04</a> ; eccentric weights put into orbital motion by nutating movement of the user <a href="#">A63B 21/06B2</a> )}
A63F 2007/382	....	{ held by the user, e.g. spinning hoops, whirling amusement devices, orbiting toys}
A63F 2007/384	.....	held by two or more persons
A63F 2007/40	..	Balls or other moving playing bodies, e.g. pinballs or discs { used instead of balls}
A63F 2007/4006	...	played with a plurality of identical balls
A63F 2007/4012	...	with an excentric center of gravity
A63F 2007/4018	...	with balls of different dimensions
A63F 2007/4025	...	with balls having different masses but the same dimension
A63F 2007/4031	...	with balls of different colours or other visual characteristics
A63F 2007/4037	....	with balls of two different colours
A63F 2007/4043	....	with balls of three or more different colours
A63F 2007/405	...	Magnetic
A63F 2007/4056	....	with a permanent magnet
A63F 2007/4062	...	with a non-magnetic ball material
A63F 2007/4068	...	Sliding play elements, e.g. discs or bodies with a low coefficient of friction
A63F 2007/4075	....	provided with a ball race or rollers
A63F 2007/4081	...	Ball with a hole sliding over a guide
A63F 2007/4087	...	Tethered balls
A63F 2007/4093	....	supported on a tethering arm

**A63F 2009/00**

**Games not otherwise provided for** (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game [A63F 13/00](#){ ;miscellaneous sporting games [A63B 67/00](#)})

**WARNING**

Groups incomplete pending reclassification reorganisation: [A63F 9/0243](#), [A63F 9/04S](#), [A63F 9/06A](#), [A63F 9/06B](#), [A63F 9/06C](#), [A63F 9/06D](#), [A63F 9/06E](#), [A63F 9/06P](#), [A63F 9/06S](#), [A63F 9/06T](#), [A63F 9/0807](#), [A63F 9/0834](#), [A63F 9/0838](#), [A63F 9/0842](#), [A63F 9/0857](#), [A63F 9/0861](#), [A63F 9/0865](#), [A63F 9/0869](#), [A63F 9/0873](#), [A63F 9/12C](#), [A63F 9/12P](#), [A63F 9/12S](#). See also this group and its subgroups

- A63F 2009/0001 . {Games specially adapted for handicapped, blind or bed-ridden persons}
- A63F 2009/0003 . . Games specially adapted for blind or partially sighted people
- A63F 2009/0004 . . . using BRAILLE
- A63F 2009/0006 . . . Colour blind
- A63F 2009/0007 . . Games with therapeutic effects
- A63F 2009/0009 . . with provisions for or for use by people lying in bed
  
- A63F 2009/001 . {Games or toys connected to, or combined with, other objects; Objects with a second use as a toy or game}
- A63F 2009/0012 . . the other object being a container or part thereof
- A63F 2009/0013 . . . Bottles ([cups A63F 2009/0053](#))
- A63F 2009/0015 . . . . Closures, e.g. POGS, milk cap game, cap disk game, flippo
- A63F 2009/0016 . . . . Labels
- A63F 2009/0018 . . with means for holding a pen or pencil
- A63F 2009/002 . . used as hanger or connected to a hanger; Ornaments or jewellery
- A63F 2009/0021 . . . Bracelets, worn on wrist
- A63F 2009/0023 . . . with provisions for connecting to clothes
- A63F 2009/0024 . . . with provisions for connecting to a belt
- A63F 2009/0026 . . . Headbands
- A63F 2009/0027 . . . Keyhangers
- A63F 2009/0029 . . . Necklaces
- A63F 2009/003 . . . Rings
- A63F 2009/0032 . . . with provisions for hanging on a wall
- A63F 2009/0033 . . Display or decorative devices
- A63F 2009/0035 . . . on a pedestal or stand
- A63F 2009/0036 . . combined with a book or magazine
- A63F 2009/0038 . . . Dictionaries of encyclopedia
- A63F 2009/0039 . . . Instruction or exercise books; Guides
- A63F 2009/0041 . . . . in electronic form, e.g. video
- A63F 2009/0043 . . . Magazines or newspapers
- A63F 2009/0044 . . Postcards

- A63F 2009/0046 . . . with stamps
- A63F 2009/0047 . . Beer mats or coasters; Placemats
- A63F 2009/0049 . . Objects with a second use as toy or game
- A63F 2009/005 . . . Ashtrays
- A63F 2009/0052 . . . Bottle cap lifters
- A63F 2009/0053 . . . Cups
- A63F 2009/0055 . . . Bens
- A63F 2009/0056 . . . Furniture, e.g. bed
- A63F 2009/0058 . . . Drinking glasses
- A63F 2009/0059 . . . Wallets
- A63F 2009/0061 . . . Calendars
- A63F 2009/0063 . . . Cigarette lighters
- A63F 2009/0064 . . . Items relating to health or medical instruments
- A63F 2009/0066 . . . . Condoms
- A63F 2009/0067 . . . Paper clips
- A63F 2009/0069 . . . Clothes pegs
- A63F 2009/007 . . . Piggy banks
- A63F 2009/0072 . . . Whistles
  
- A63F 2009/0073 . { Games for obtaining a particular arrangement of playing pieces in a plane or space ([A63F 9/08](#) takes precedence; ticktacktoe [A63F 3/00094](#); three-dimensional chess-like games [A63F 3/00214](#)) }
- A63F 2009/0075 . . Towers of Hanoi
  
- A63F 2009/0079 . { Games using compressed air, e.g. with air blowers, balloons, vacuum ([A63F 7/066](#) and [A63F 7/3603](#) take precedence) }
- A63F 2009/0081 . . using suction or vacuum
- A63F 2009/0083 . . Games with balloons
- A63F 2009/0084 . . . Bursting
- A63F 2009/0086 . . using inflatable objects
- A63F 2009/0087 . . with means for producing an air current
- A63F 2009/0089 . . . blown by mouth
- A63F 2009/009 . . . pneumatic
- A63F 2009/0092 . . Air gun
  
- A63F 2009/0093 . {Punchboards}
- A63F 2009/0095 . . the pegs to be inserted to different depths, e.g. by inserting invisible elements
  
- A63F 2009/02 . Shooting or hurling games (throwing-implements for sports or recreational use [A63B 65/00](#); throwing or projecting toys per se [A63H 33/18](#); { gun simulators [F41A 33/00](#), e.g. light- or radiation-emitting guns [F41A 33/02](#); practice apparatus for gun-aiming [F41G 3/26](#), e.g. using a light-emitting device [F41G 3/2616](#)}; targets, target ranges, bullet catchers [F41J](#), { photo-electric hit-detector systems [F41J 5/02](#)})
- A63F 2009/0204 . . {Targets therefor (for ball games [A63B 63/00](#))}
- A63F 2009/0208 . . . { the projectile being connectable to the target, e.g. using hook and loop-type fastener, hooks }

A63F 2009/0213	....	the projectile, e.g. ring or quoits, to be thrown on a hook or stick
A63F 2009/0217	.....	using horseshoes
A63F 2009/0221	....	with penetrating spikes, e.g. as in darts
A63F 2009/0226	.....	the spikes being on the target
A63F 2009/023	....	with suction cups
A63F 2009/0234	.....	the suction cups being on the target
A63F 2009/0239	....	using hook and loop-type fastener
A63F 2009/0252	..	{Shooting devices therefor}
A63F 2009/0256	...	with adjustable angle of evaluation
A63F 2009/026	....	by varying the point of impact
A63F 2009/0265	...	using resilient elements
A63F 2009/0269	....	Bow and arrows
A63F 2009/0273	....	Catapults
A63F 2009/0278	..	{ Projectiles ( <a href="#">A63F 9/0208</a> , <a href="#">A63F 9/0247</a> and <a href="#">A63F 9/0252</a> take precedence)}
A63F 2009/0282	...	with shapes other than balls
A63F 2009/0286	....	Discs
A63F 2009/0295	..	Tiddley winks type games
A63F 2009/04	.	Dice ( <a href="#">dice tops A63F 5/04</a> { <a href="#">D</a> }); Dice-boxes; Mechanical dice-throwing devices {(casino or betting games played on boards <a href="#">A63F 3/00157</a> )}
A63F 2009/0402	..	{ Rolling boards}
A63F 2009/0404	...	without a barrier, e.g. with limit lines drawn on the board
A63F 2009/0406	..	{ Dice-throwing devices, e.g. dice cups}
A63F 2009/0408	...	with a dice projecting device
A63F 2009/0411	...	Dice cups
A63F 2009/0415	..	{ Details of dice, e.g. non-cuboid dice}
A63F 2009/0417	...	Two-sided dice, e.g. coins
A63F 2009/042	...	three-sided
A63F 2009/0422	...	four-sided
A63F 2009/0424	...	five-sided
A63F 2009/0426	...	six-sided non-cuboid
A63F 2009/0428	...	seven-sided
A63F 2009/0431	...	eight-sided
A63F 2009/0433	...	nine-sided
A63F 2009/0435	...	ten-sided
A63F 2009/0437	...	twelve-sided
A63F 2009/044	...	fourteen-sided
A63F 2009/0442	...	sixteen-sided
A63F 2009/0444	...	eighteen-sided
A63F 2009/0446	...	twenty-sided
A63F 2009/0448	...	twenty-four-sided
A63F 2009/0451	...	twenty-six-sided

A63F 2009/0453	...	thirty-sided
A63F 2009/0455	...	thirty-two-sided
A63F 2009/0457	...	fourty-two-sided
A63F 2009/0459	...	fourty-nine-sided
A63F 2009/0462	...	fifty-sided
A63F 2009/0464	...	irregular
A63F 2009/0466	...	spherical
A63F 2009/0471	..	Dice with different colours
A63F 2009/0473	...	on different faces of a dice
A63F 2009/0475	....	with two or more colours
A63F 2009/0477	...	with groups of dice having different colours
A63F 2009/0479	....	with three or more groups
A63F 2009/0482	..	provided with instructions for playing dice games
A63F 2009/0484	..	Dice with pictures or figures
A63F 2009/0486	..	Dice with symbols, e.g. indicating a direction for moving a playing piece
A63F 2009/0488	...	with letters or words
A63F 2009/0491	..	Customisable dice, e.g. with interchangeable or replaceable inserts
A63F 2009/0493	..	Dice with other dice inside
A63F 2009/0497	..	Manufacturing of dice
A63F 2009/06	.	Patience; Other games for self-amusement

### **WARNING**

Groups [A63F 9/0601](#) to [A63F 9/0604](#) are not complete pending reclassification; see also this groups and its other subgroups

A63F 2009/0604	..	{ based on the use of colours}
A63F 2009/0605	...	referring to colour theory
A63F 2009/0606	....	Complementary colours
A63F 2009/0608	....	Mixing colours
A63F 2009/0609	...	using wavelengths of invisible light
A63F 2009/0613	..	{Puzzles or games based on the use of optical filters or elements e.g. coloured filters, polaroid filters, transparent sheets with opaque parts (optical, colour or shadow toys <a href="#">A63H 33/22</a> )}
A63F 2009/0615	...	transparent
A63F 2009/0616	....	with colours
A63F 2009/0618	.....	used for masking, e.g. for making objects with the same colour invisible
A63F 2009/0619	....	with an opaque part
A63F 2009/062	.....	overlapping
A63F 2009/0622	.....	Sighting device
A63F 2009/0623	...	with mirrors
A63F 2009/0625	....	using total internal reflection, e.g. in a prism
A63F 2009/0626	....	Periscope

A63F 2009/0627	....	partially transparent
A63F 2009/0629	...	with lenses or other refractive optical elements
A63F 2009/063	....	Optical elements other than lenses used for producing refraction, e.g. prisms
A63F 2009/0631	....	Binoculars
A63F 2009/0633	....	Fresnel lenses
A63F 2009/0634	....	Magnifying glasses
A63F 2009/0636	....	Telescopes
A63F 2009/0637	...	Optical fibres
A63F 2009/0638	...	Polaroid filters
A63F 2009/064	...	opaque, e.g. blindfold, obstructing view
A63F 2009/0641	..	{ using a marker or means for drawing, e.g. pen, pencil, chalk }
A63F 2009/0643	...	erasable
A63F 2009/0644	....	Blackboard or slate
A63F 2009/0645	....	for erasing a felt pen
A63F 2009/0647	....	using wet or damp cloth or a sponge
A63F 2009/0648	....	using a rubber
A63F 2009/065	....	using a sliding mechanism
A63F 2009/0651	...	with means for copying
A63F 2009/0652	....	using carbon paper
A63F 2009/0654	....	Decalcomania
A63F 2009/0655	....	Copying from a relief surface, e.g. coin
A63F 2009/0656	...	using a stamp
A63F 2009/0658	...	Marking a point
A63F 2009/0659	...	Drawing a line
A63F 2009/0661	...	Making a drawing
A63F 2009/0662	...	Making a painting
A63F 2009/0663	...	using a template
A63F 2009/0665	...	using a plurality of markers, e.g. different colours
A63F 2009/0666	..	{ matching elementary shapes to corresponding holes }
A63F 2009/0668	...	the shapes falling or being pushed through the holes
A63F 2009/0669	..	{ Tessellation }
A63F 2009/067	...	using a particular shape of tile
A63F 2009/0672	....	arrow-shaped, V-shaped
A63F 2009/0673	....	circular
A63F 2009/0675	.....	Segments
A63F 2009/0676	.....	Sectors
A63F 2009/0677	.....	Part of a circle other than segment or sector, arcuate
A63F 2009/0679	....	elliptical, oval
A63F 2009/068	....	hexagonal
A63F 2009/0681	....	pentagonal
A63F 2009/0683	....	quadrangular
A63F 2009/0684	.....	Parallelogram



A63F 2009/0686	.....	Rhombus
A63F 2009/0687	.....	Rectangle
A63F 2009/0688	.....	Square
A63F 2009/069	.....	Trapezium
A63F 2009/0691	.....	Kite
A63F 2009/0693	....	star-shaped
A63F 2009/0694	....	triangular
A63F 2009/0695	...	using different types of tiles
A63F 2009/0697	....	of polygonal shapes
A63F 2009/0698	.....	all rectilinear
A63F 2009/08	..	Puzzles provided with elements movable in relation, {i.e. movably connected}, to each other
A63F 2009/0803	...	{Two-dimensional puzzles with slideable or rotatable elements or groups of elements, the main configuration remaining unchanged}
A63F 2009/0811	....	{with rotatable concentric rings or discs ( <a href="#">A63F 9/083</a> takes precedence)}
A63F 2009/0815	.....	with rotary, stacked elements, e.g. elements with a puzzle image on a curved or cylindrical outer surface
A63F 2009/0826	...	{Three-dimensional puzzles with slidable or rotatable elements or groups of elements, the main configuration remaining unchanged, e.g. Rubik's cube (elements rotatable about just one axis, e.g. discs stacked as a cylinder <a href="#">A63F 9/0811</a> )}
A63F 2009/0838	....	{ with an element, e.g. invisible core, staying permanently in a central position having the function of central retaining spider and with groups of elements rotatable about at least three axes intersecting in one point}
A63F 2009/0846	.....	characterised by the shape of the puzzle
A63F 2009/0849	.....	Dodecaedrons
A63F 2009/0853	.....	Icosaedrons
A63F 2009/0884	...	with means for immobilising or stabilising a configuration; e.g. the solution
A63F 2009/0888	....	using detents
A63F 2009/0892	...	with an extra element for the final vacant space
A63F 2009/0896	...	Moebius ring
A63F 2009/10	..	Two-dimensional jig-saw puzzles
A63F 2009/1005	...	with images on both sides
A63F 2009/1016	...	the pieces having additional connections, i.e. in addition to the connection by the jig-saw shapes
A63F 2009/1022	....	to the display board
A63F 2009/1027	.....	adhesive
A63F 2009/1033	.....	magnetic
A63F 2009/1038	.....	with hook and loop-type fastener
A63F 2009/1044	...	{ Display boards therefor}
A63F 2009/105	....	with provisions for storing and transporting an interrupted game
A63F 2009/1055	.....	resiliently sandwiched
A63F 2009/1061	...	with electric features, e.g. light, wires
A63F 2009/1066	....	completing a circuit if solved correctly

A63F 2009/1072	...	Manufacturing
A63F 2009/1077	...	with a surface having a relief structure
A63F 2009/1083	...	having plural layers on top of each other
A63F 2009/1088	....	two layers
A63F 2009/1094	...	non-planar
A63F 2009/12	..	Three-dimensional jig-saw puzzles
A63F 2009/1208	...	{ Connections between puzzle elements}
A63F 2009/1212	....	magnetic connections
A63F 2009/1216	....	using locking or binding pins
A63F 2009/122	.....	connecting only two neighbouring elements
A63F 2009/1224	....	using two or more types of connections
A63F 2009/1228	....	slidable connections
A63F 2009/1232	.....	Dove tails
A63F 2009/1236	...	with a final configuration thereof, i.e. the solution, being packed in a box or container
A63F 2009/124	...	with a final configuration being a sphere
A63F 2009/1244	...	with foldable pieces, e.g. pieces having folds or hinges
A63F 2009/1248	...	with a final configuration representing a house or other building
A63F 2009/1252	...	{ using pegs, pins, rods or dowels as puzzle elements}
A63F 2009/1256	....	using a plurality of pegs
A63F 2009/126	.....	Configuration or arrangement of the pegs
A63F 2009/1264	.....	all pegs being parallel
A63F 2009/1268	.....	the pegs forming angles with each other, e.g. right angles in three dimensions
A63F 2009/1272	.....	the pegs forming angles other than right angles in three dimensions
A63F 2009/1276	.....	characterised by different lengths
A63F 2009/128	....	with notches
A63F 2009/1284	....	with screw elements, e.g. nuts
A63F 2009/1288	...	{ Sculpture puzzles}
A63F 2009/1292	....	formed by stackable elements
A63F 2009/1296	...	Manufacturing of three-dimensional puzzle elements
A63F 2009/14	.	Racing games, traffic games, or obstacle games characterised by figures moved by action of the players ({ racing} games using dice <a href="#">A63F 3/00</a> )
A63F 2009/146	..	Features of the horse or jockey, e.g. moving legs
A63F 2009/16	.	Spinning-top games
A63F 2009/165	..	Use of spinning tops as random generators
A63F 2009/18	.	Question-and-answer games
A63F 2009/183	..	{electric}
A63F 2009/185	...	Closing an electric circuit when the answer is correct
A63F 2009/186	..	Guessing games

- A63F 2009/188 .. Details of questions, e.g. with increasing level of difficulty
- A63F 2009/20 . Dominoes or like games; Mah-Jongg games
- A63F 2009/205 .. Mah-jongg games
- A63F 2009/24 . { **Electric games;**} Games using electronic circuits not otherwise provided for {(video games [A63F 13/00](#), computers for game playing per se **G06F 19/00B**; computerized gaming systems [G07F 17/32](#))}
- A63F 2009/2401 .. Detail of input, input devices
- A63F 2009/2402 ... Input by manual operation
- A63F 2009/2404 .... Keyboard
- A63F 2009/2405 ..... using more than one keyboard
- A63F 2009/2407 .... Joystick
- A63F 2009/2408 .... Touch-sensitive buttons
- A63F 2009/241 .... Touch screen
- A63F 2009/2411 ... Input form cards, tapes, discs
- A63F 2009/2413 .... Magnetic
- A63F 2009/2414 ..... Cards
- A63F 2009/2416 ..... Diskettes
- A63F 2009/2417 ..... Tapes or cassettes, e.g. audio or video cassettes
- A63F 2009/2419 .... Optical
- A63F 2009/242 ..... Bar codes
- A63F 2009/2422 ..... Cards with holes
- A63F 2009/2423 ..... Discs, e.g. CD or DVD
- A63F 2009/2425 ..... Scanners, e.g. for scanning regular characters
- A63F 2009/2426 .... Mechanical
- A63F 2009/2427 ..... Punch cards
- A63F 2009/2429 .... IC card, chip card, smart card
- A63F 2009/243 ... with other kinds of input
- A63F 2009/2432 .... actuated by a sound, e.g. using a microphone
- A63F 2009/2433 ..... Voice-actuated
- A63F 2009/2435 .... using a video camera
- A63F 2009/2436 ... Characteristics of the input
- A63F 2009/2438 .... Multiple input devices
- A63F 2009/2439 .... the input being a code, e.g. ID
- A63F 2009/2441 ..... Pin code
- A63F 2009/2442 .... Sensors or detectors
- A63F 2009/2444 ..... Light detector
- A63F 2009/2445 ..... detecting reflected light
- A63F 2009/2447 ..... Motion detector
- A63F 2009/2448 .. Output devices
- A63F 2009/245 ... visual
- A63F 2009/2451 .... using illumination. e.g. with lamps

A63F 2009/2452	.....	as a signal
A63F 2009/2454	.....	with LED
A63F 2009/2455	....	Printers
A63F 2009/2457	....	Display screens, e.g. monitors, video displays
A63F 2009/2458	.....	LCD`s
A63F 2009/246	.....	Computer generated or synthesized image
A63F 2009/2461	....	Projection of a two-dimensional real image
A63F 2009/2463	.....	on a screen, e.g. using a video projector
A63F 2009/2464	.....	on a translucent screen, e.g. frosted glass
A63F 2009/2466	.....	of a film
A63F 2009/2467	.....	of a slide
A63F 2009/2469	.....	of a contour ( <a href="#">shadow shows A63J 2019/003</a> )
A63F 2009/247	...	audible, e.g. using a loudspeaker
A63F 2009/2472	....	Buzzer, beep or electric bell
A63F 2009/2473	....	Devices for imitating a running engine
A63F 2009/2475	....	Headphones
A63F 2009/2476	....	Speech or voice synthesisers, e.g. using a speech chip
A63F 2009/2477	....	Tone generators, oscillators
A63F 2009/2479	...	Other kinds of output
A63F 2009/248	....	Magnetic
A63F 2009/2482	....	Electromotor
A63F 2009/2483	..	Other characteristics
A63F 2009/2485	...	using a general-purpose personal computer
A63F 2009/2486	....	the computer being an accessory to a board game
A63F 2009/2488	...	Remotely playable
A63F 2009/2489	....	by radio transmitters, e.g. using RFID
A63F 2009/2491	...	with a detachable memory
A63F 2009/2492	...	Power supply
A63F 2009/2494	....	Battery, e.g. dry cell
A63F 2009/2495	....	using connection to car battery
A63F 2009/2497	....	Solar cells
A63F 2009/2498	...	Moving conductor along conductive track without making contact
A63F 2009/34	.	Games using magnetically moved or magnetically held pieces, not provided for in other subgroups of group <a href="#">A63F 9/00</a>
A63F 2009/345	..	Electromagnetically

**A63F 2011/00**      **Game accessories of general use { e.g. score counters, boxes}**

#### **NOTE**

Game accessories specially adapted for a particular type of game are classified in one of the groups [A63F 1/00](#) to [A63F 9/00](#) covering the particular game

**WARNING**

Groups not complete, pending reclassification: [A63F 11/00T](#); [A63F 11/00V](#); [A63F 11/00Y](#). See also this group]

- A63F 2011/0002 . { Dispensing or collecting devices for tokens or chips (dispensers for game pieces in chain reaction games [A63F 9/28](#); coin freed apparatus for games [G07F 17/32](#), coin freed apparatus for gaming machines with circulation of gaming tokens **G07F 17/32D2**)}
- A63F 2011/0004 .. Bags
- A63F 2011/0006 .. adapted for chips
- A63F 2011/0009 .. Jars
- A63F 2011/0011 . { Chance selectors ([A63F 7/048](#), [A63F 9/04](#) take precedence)}
- A63F 2011/0013 .. Pendulums
- A63F 2011/0016 .. Spinners
- A63F 2011/0018 ... integrated in the game board
- A63F 2011/002 ... with two pointers
- A63F 2011/0023 .. indicating a direction, e.g. wind direction
- A63F 2011/0025 . { Tools}
- A63F 2011/0027 .. Spanners
- A63F 2011/003 .. Screwdrivers
- A63F 2011/0032 .. Hammers
- A63F 2011/0034 .. Saws
- A63F 2011/0037 .. Devices for scraping
- A63F 2011/0039 .. Levers or crowbars
- A63F 2011/0041 .. Needles
- A63F 2011/0044 .. Pliers
- A63F 2011/0046 .. Sieves or filters
- A63F 2011/0048 .. Scoops, shovels or spatulas
- A63F 2011/0051 . { Indicators of values, e.g. score counters}
- A63F 2011/0053 .. using a calculator
- A63F 2011/0055 .. using pegs insertable in sockets
- A63F 2011/0058 .. using electronic means ([A63F 2011/0053](#) takes precedence)
- A63F 2011/006 .. using knots on a rope
- A63F 2011/0062 .. Play elements marked with value or score
- A63F 2011/0065 .. calculating or indicating a ranking or player performance
- A63F 2011/0067 .. Score or tally sheets
- A63F 2011/0069 .. Abacus
- A63F 2011/0072 .. Indicating values other than scores, e.g. handicap, initial settings, coefficients

- A63F 2011/0074 . { **Game concepts, rules or strategies**}
- A63F 2011/0076 .. with means for changing the level of difficulty
- A63F 2011/0079 .. keeping something hidden or invisible
- A63F 2011/0081 ... "Memory"-type games, e.g. finding the corresponding hidden element
- A63F 2011/0083 .. Memory oriented or pattern matching games
- A63F 2011/0086 .. Rules
- A63F 2011/0088 ... with a variety of rules
- A63F 2011/009 .... the rules being changed during play
- A63F 2011/0093 ... characterised by the game theory or winning strategy
- A63F 2011/0095 .... with cooperation amongst players in competitive games, e.g. non zero sum games
- A63F 2011/0097 .. Watching television being part of the game, e.g. using the television broadcasting of a sporting event

#### **A63F 2250/00      Miscellaneous game characteristics**

- A63F 2250/02 . having an effect on the human senses
- A63F 2250/021 .. with odourized parts
- A63F 2250/022 .. with edible parts
- A63F 2250/024 ... drinkable
- A63F 2250/025 .. related to sense of touch ([A63F 2009/0003](#) takes precedence)
- A63F 2250/027 .. generating a sound without electric means
- A63F 2250/028 ... Ringing a bell
  
- A63F 2250/04 . containing a liquid
- A63F 2250/0407 .. Water
- A63F 2250/0414 ... in motion
- A63F 2250/0421 .... dumping water on a player
- A63F 2250/0428 ... being squirted
- A63F 2250/0435 ... with an air bubble
- A63F 2250/0442 ... being absorbed
- A63F 2250/045 .. Mercury
- A63F 2250/0457 ... for actuating a switch by gravity
- A63F 2250/0464 .. evaporating
- A63F 2250/0471 .. containing a viscous liquid
- A63F 2250/0478 .. containing an inflammable liquid
- A63F 2250/0485 .. for changing stability or rolling properties
- A63F 2250/0492 .. using a surface tension
  
- A63F 2250/05 . containing a gas

- A63F 2250/06 . containing small particles
- A63F 2250/063 .. for changing stability or rolling properties
- A63F 2250/066 .. Sand
- A63F 2250/08 . with static electricity
- A63F 2250/09 . Antistatic
- A63F 2250/10 . with measuring devices
- A63F 2250/1005 .. for angles
- A63F 2250/101 ... Water level
- A63F 2250/1015 ... Protractors
- A63F 2250/1021 .. for weighing
- A63F 2250/1026 .. for temperature
- A63F 2250/1031 ... using colour indicators
- A63F 2250/1036 .. for distances ([A63F 2250/1015](#) takes precedence)
- A63F 2250/1042 ... Rulers ([A63F 2250/1015](#) takes precedence)
- A63F 2250/1047 .. for electrical phenomena
- A63F 2250/1052 ... Galvanometers
- A63F 2250/1057 .. Compasses
- A63F 2250/1063 .. Timers
- A63F 2250/1068 ... Sandglasses
- A63F 2250/1073 ... Time-out devices ([sandglasses A63F 2250/1068](#); [A63F 2250/14](#) takes precedence)
- A63F 2250/1078 .... of the count-down type
- A63F 2250/1084 ... Chess clocks
- A63F 2250/1089 ... Mechanical timer causing a random event
- A63F 2250/1094 .. for velocity
- A63F 2250/11 . with an indicator for predicting a velocity or other physical quantity
- A63F 2250/115 .. based on Hooke's law
- A63F 2250/12 . using a string, rope, strap or belt as a play element
- A63F 2250/121 .. Strap or belt
- A63F 2250/122 .. Closed loop
- A63F 2250/124 .. Elastic
- A63F 2250/125 .. for a yo-yo
- A63F 2250/127 .. Chain
- A63F 2250/128 .. for suspension of play element
- A63F 2250/13 . using coins or paper money as play elements
- A63F 2250/133 .. Banknote
- A63F 2250/136 .. Coin pusher



- A63F 2250/14 . Coin operated
- A63F 2250/142 .. with pay-out or rewarding with a prize
- A63F 2250/144 ... Dispensing a gift
- A63F 2250/146 .... by issuing a winning ticket
- A63F 2250/148 ... Enabling replay, e.g. giving a bonus ball
  
- A63F 2250/16 . Use of textiles
- A63F 2250/162 .. Carpet
- A63F 2250/164 .. Felt
- A63F 2250/166 .. Garments
- A63F 2250/168 .. with a zipper
  
- A63F 2250/18 . Use of resilient or deformable elements
- A63F 2250/183 .. Foam
- A63F 2250/186 .. Spring
  
- A63F 2250/20 . Outdoor version of games normally played indoors
- A63F 2250/202 .. with anchoring means, e.g. pegs in the ground
- A63F 2250/205 .. for being played in the swimming pool, e.g. floatable games
- A63F 2250/207 .. for being played on the lawn
  
- A63F 2250/21 . Adapted outdoor game resembling to an indoor game
- A63F 2250/215 .. Hop-scotch
  
- A63F 2250/22 . with advertising
  
- A63F 2250/24 . with a lock, e.g. for a puzzle
- A63F 2250/245 .. with a key
  
- A63F 2250/26 . the game being influenced by physiological parameters ([A63F 2250/1031 takes precedence](#))
- A63F 2250/265 .. by skin resistance
  
- A63F 2250/28 . with a two-dimensional real image
- A63F 2250/282 .. Kinematic effects, e.g. by rapid showing of a plurality of slightly differing images using flipping cards
- A63F 2250/285 .. Photographs
- A63F 2250/287 .. Cameras therefor
  
- A63F 2250/30 . with a three-dimensional image
- A63F 2250/302 .. holographic
- A63F 2250/305 .. formed by superimposed partially transparent layers
- A63F 2250/307 .. stereoscopic
  
- A63F 2250/32 . containing a live object
- A63F 2250/323 .. Mexican jumping bean

- A63F 2250/326 . . Bean bag
- A63F 2250/34 . promoting partner selection
- A63F 2250/36 . sound damping
- A63F 2250/38 . shock damping
- A63F 2250/42 . with a light-sensitive substance, e.g. photoluminescent
- A63F 2250/423 . . fluorescent
- A63F 2250/426 . . phosphorescent
- A63F 2250/48 . with special provisions for gripping by hand
- A63F 2250/481 . . for picking up or for gripping from a cavity, e.g. a recess next to a storing space
- A63F 2250/482 . . with holes or fingers, e.g. blind hole
- A63F 2250/483 . . . adapted for thumb
- A63F 2250/484 . . . adapted for fingernail
- A63F 2250/485 . . using a handle
- A63F 2250/486 . . . with an ergonomic grip
- A63F 2250/487 . . . with a pistol handle
- A63F 2250/488 . . . . with a trigger
- A63F 2250/489 . . with a roughened part
- A63F 2250/49 . with provisions for connecting to a part of the body
- A63F 2250/491 . . Finger
- A63F 2250/492 . . . Thumb
- A63F 2250/494 . . . Fingernail
- A63F 2250/495 . . Hand, arm or wrist
- A63F 2250/497 . . Head
- A63F 2250/498 . . Lap
- A63F 2250/50 . Construction set or kit
- A63F 2250/505 . . made from a blank
- A63F 2250/52 . with a remote control
- A63F 2250/54 . washable
- A63F 2250/58 . Antifraud or preventing misuse
- A63F 2250/60 . Connection between elements not otherwise provided for
- A63F 2250/601 . . with hook and loop-type fastener
- A63F 2250/602 . . with adhesive
- A63F 2250/603 . . with pin and hole
- A63F 2250/604 . . with a hook or an eyelet
- A63F 2250/605 . . with clamps or clips

- A63F 2250/606 . . with suction cups
  - A63F 2250/609 . . Inserts, e.g. for replaceable indicia or figures ([A63F 2009/0491](#) takes precedence)
  - A63F 2250/64 . used for radio or television, e.g. television shows; used in front of an audience
  - A63F 2250/645 . . used by the watcher or listener
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- A63F 2300/00**      **Features of games using an electronically generated display having two or more dimensions, e.g. on a television screen, showing representations related to the game**
- A63F 2300/10 . characterized by input arrangements for converting player-generated signals into game device control signals
    - A63F 2300/1006 . . having additional degrees of freedom
    - A63F 2300/1012 . . involving biosensors worn by the player, e.g. for measuring heart beat, limb activity
    - A63F 2300/1018 . . Calibration; Key and button assignment
    - A63F 2300/1025 . . details of the interface with the game device, e.g. USB version detection
      - A63F 2300/1031 . . . using a wireless connection, e.g. Bluetooth, infrared connections
    - A63F 2300/1037 . . being specially adapted for converting control signals received from the game device into a haptic signal, e.g. using force feedback
    - A63F 2300/1043 . . being characterized by constructional details
    - A63F 2300/105 . . using inertial sensors, e.g. accelerometers, gyroscopes
    - A63F 2300/1056 . . involving pressure sensitive buttons
    - A63F 2300/1062 . . being specially adapted to a type of game, e.g. steering wheel
    - A63F 2300/1068 . . being specially adapted to detect the point of contact of the player on a surface, e.g. floor mat, touch pad
      - A63F 2300/1075 . . . using a touch screen
    - A63F 2300/1081 . . Input via voice recognition
    - A63F 2300/1087 . . comprising photodetecting means, e.g. a camera
      - A63F 2300/1093 . . . using visible light
  - A63F 2300/20 . characterised by details of the game platform
    - A63F 2300/201 . . Playing authorisation given at platform level
    - A63F 2300/202 . . the game platform being a DVD player
    - A63F 2300/203 . . Image generating hardware
    - A63F 2300/204 . . the platform being a handheld device
    - A63F 2300/205 . . for detecting the geographical location of the game platform
    - A63F 2300/206 . . Game information storage, e.g. cartridges, CD ROM`s, DVD`s, smart cards
      - A63F 2300/207 . . . for accessing game resources from local storage, e.g. streaming content from DVD
      - A63F 2300/208 . . . for storing personal settings or data of the player
    - A63F 2300/209 . . characterized by low level software layer, relating to hardware management, e.g. Operating System, Application Programming Interface
  - A63F 2300/30 . characterized by output arrangements for receiving control signals generated by the



A63F 2300/5546	...	using player registration data, e.g. identification, account, preferences, game history
A63F 2300/5553	....	user representation in the game field, e.g. avatar
A63F 2300/556	....	Player lists, e.g. online players, buddy list, black list
A63F 2300/5566	....	by matching opponents or finding partners to build a team e.g. by skill level, geographical area, background, play style
A63F 2300/5573	....	player location
A63F 2300/558	....	by assessing the players' skills or ranking
A63F 2300/5586	...	for enforcing rights or rules, e.g. to prevent foul play
A63F 2300/5593	...	involving scheduling aspects
A63F 2300/57	..	details of game services offered to the player
A63F 2300/572	...	Communication between players during game play of non game information, e.g. e-mail, chat, file transfer, streaming of audio and streaming of video
A63F 2300/575	...	for trading virtual items
A63F 2300/577	...	for watching a game played by other players
A63F 2300/60	.	Methods for processing data by generating or executing the game program
A63F 2300/6009	..	for importing or creating game content, e.g. authoring tools during game development, adapting content to different platforms, use of a scripting language to create content
A63F 2300/6018	...	where the game content is authored by the player, e.g. level editor or by game device at runtime, e.g. level is created from music data on CD
A63F 2300/6027	..	using adaptive systems learning from user actions, e.g. for skill level adjustment
A63F 2300/6036	..	for offering a minigame in combination with a main game
A63F 2300/6045	..	for mapping control signals received from the input arrangement into game commands
A63F 2300/6054	...	by generating automatically game commands to assist the player, e.g. automatic braking in a driving game
A63F 2300/6063	..	for sound processing
A63F 2300/6072	...	of an input signal e.g. pitch and rhythm extraction, voice recognition
A63F 2300/6081	...	generating an output signal, e.g. under timing constraints, for spatialization
A63F 2300/609	..	for unlocking hidden game elements, e.g. features, items, levels
A63F 2300/61	..	Score computation
A63F 2300/63	..	for controlling the execution of the game in time
A63F 2300/632	...	by branching, e.g. choosing one of several possible story developments at a given point in time
A63F 2300/634	...	for replaying partially or entirely the game actions since the beginning of the game
A63F 2300/636	...	involving process of starting or resuming a game
A63F 2300/638	...	according to the timing of operation or a time limit
A63F 2300/64	..	for computing dynamical parameters of game objects, e.g. motion determination or computation of frictional forces for a virtual car
A63F 2300/643	...	by determining the impact between objects, e.g. collision detection
A63F 2300/646	...	for calculating the trajectory of an object
A63F 2300/65	..	for computing the condition of a game character

- A63F 2300/66 . . . for rendering three dimensional images
- A63F 2300/6607 . . . . for animating game characters, e.g. skeleton kinematics
- A63F 2300/6615 . . . . using models with different levels of detail [LOD]
- A63F 2300/6623 . . . . for animating a group of characters
- A63F 2300/663 . . . . for simulating liquid objects e.g. water, gas, fog, snow, clouds
- A63F 2300/6638 . . . . for simulating particle systems, e.g. explosion, fireworks
- A63F 2300/6646 . . . . for the computation and display of the shadow of an object or character
- A63F 2300/6653 . . . . for altering the visibility of an object, e.g. preventing the occlusion of an object, partially hiding an object
- A63F 2300/6661 . . . . for changing the position of the virtual camera
- A63F 2300/6669 . . . . . using a plurality of virtual cameras concurrently or sequentially, e.g. automatically switching between fixed virtual cameras when a character change rooms
- A63F 2300/6676 . . . . . by dedicated player input
- A63F 2300/6684 . . . . . by dynamically adapting its position to keep a game object in its viewing frustrum e.g. for tracking a character or a ball
- A63F 2300/6692 . . . . using special effects, generally involving post-processing, e.g. blooming
- A63F 2300/69 . . . Involving elements of the real world in the game world, e.g. measurement in live races, real video
- A63F 2300/695 . . . . Imported photos, e.g. of the player
- A63F 2300/80 . . . specially adapted for executing a specific type of game
- A63F 2300/8005 . . . Athletics
- A63F 2300/8011 . . . Ball
- A63F 2300/8017 . . . Driving on land or water; Flying
- A63F 2300/8023 . . . the game being played by multiple players at a common site, e.g. in an arena, theatre, shopping mall using a large public display
- A63F 2300/8029 . . . Fighting without shooting
- A63F 2300/8035 . . . Virtual fishing
- A63F 2300/8041 . . . Skating using skis, skates or board
- A63F 2300/8047 . . . Music games
- A63F 2300/8052 . . . Ball team management
- A63F 2300/8058 . . . Virtual breeding, eg. tamagotchi
- A63F 2300/8064 . . . Quiz
- A63F 2300/807 . . . Role playing or strategy games
- A63F 2300/8076 . . . Shooting
- A63F 2300/8082 . . . Virtual reality
- A63F 2300/8088 . . . involving concurrently several players in a non-networked game, e.g. on the same game console
- A63F 2300/8094 . . . Unusual game types, e.g. virtual cooking